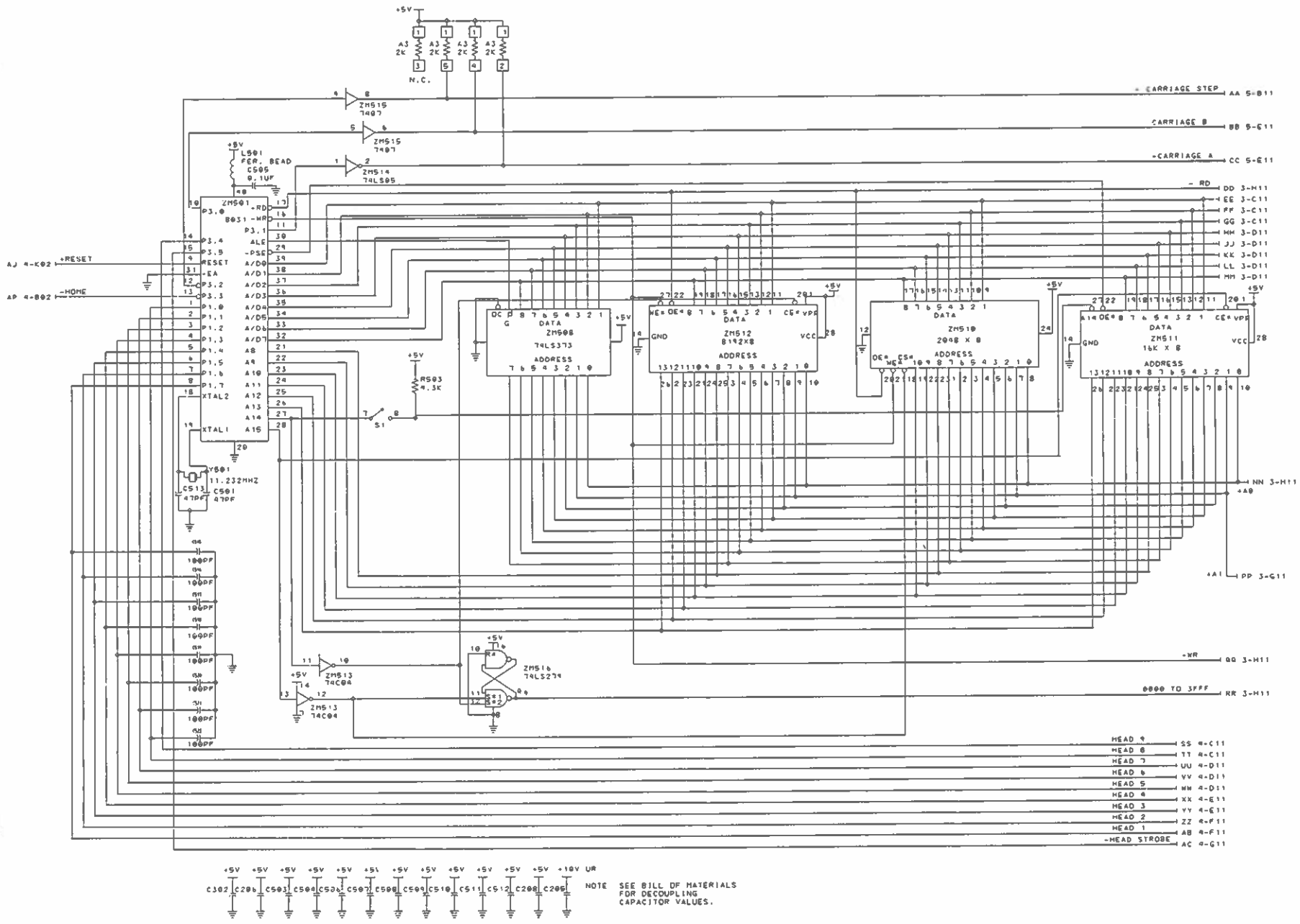
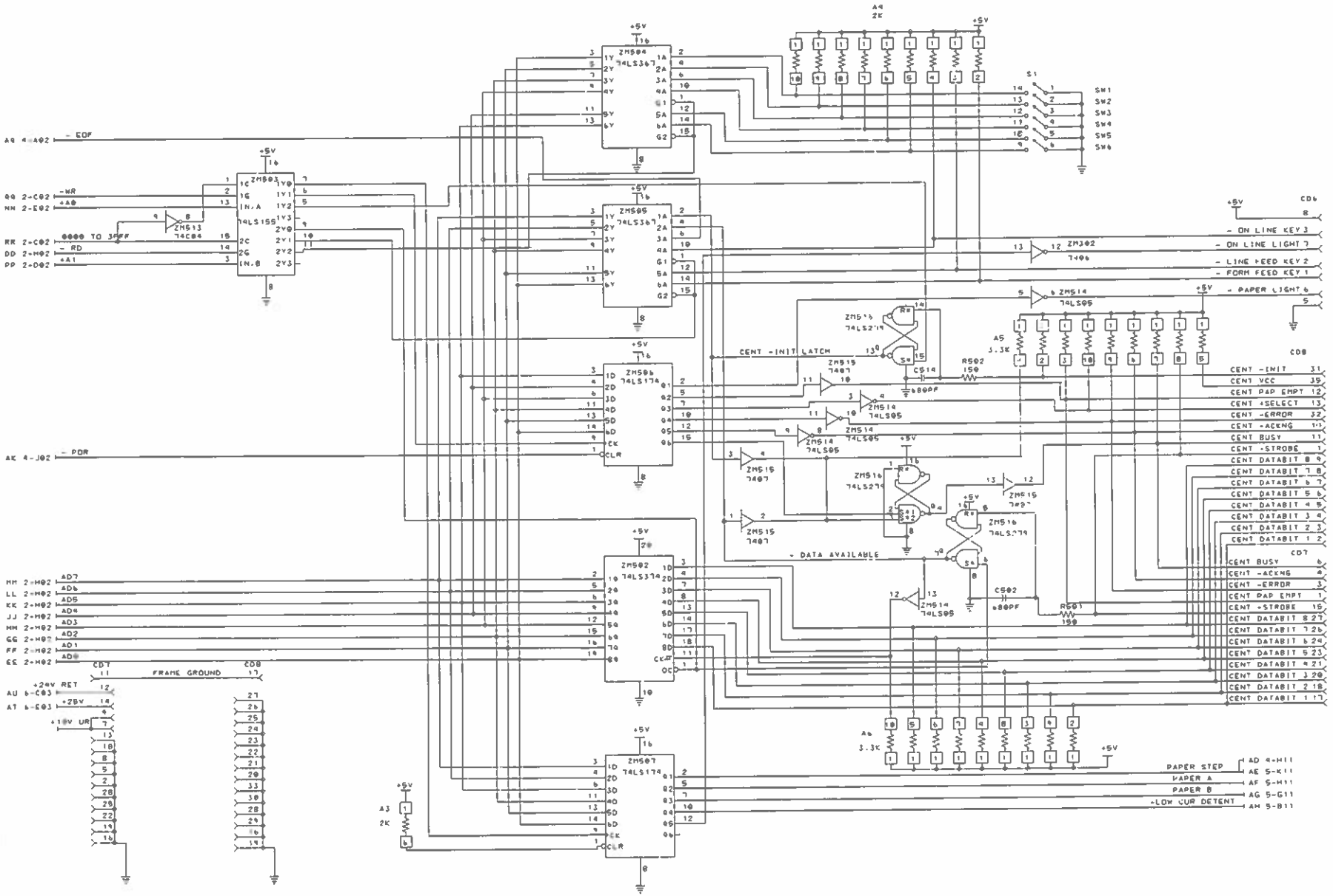
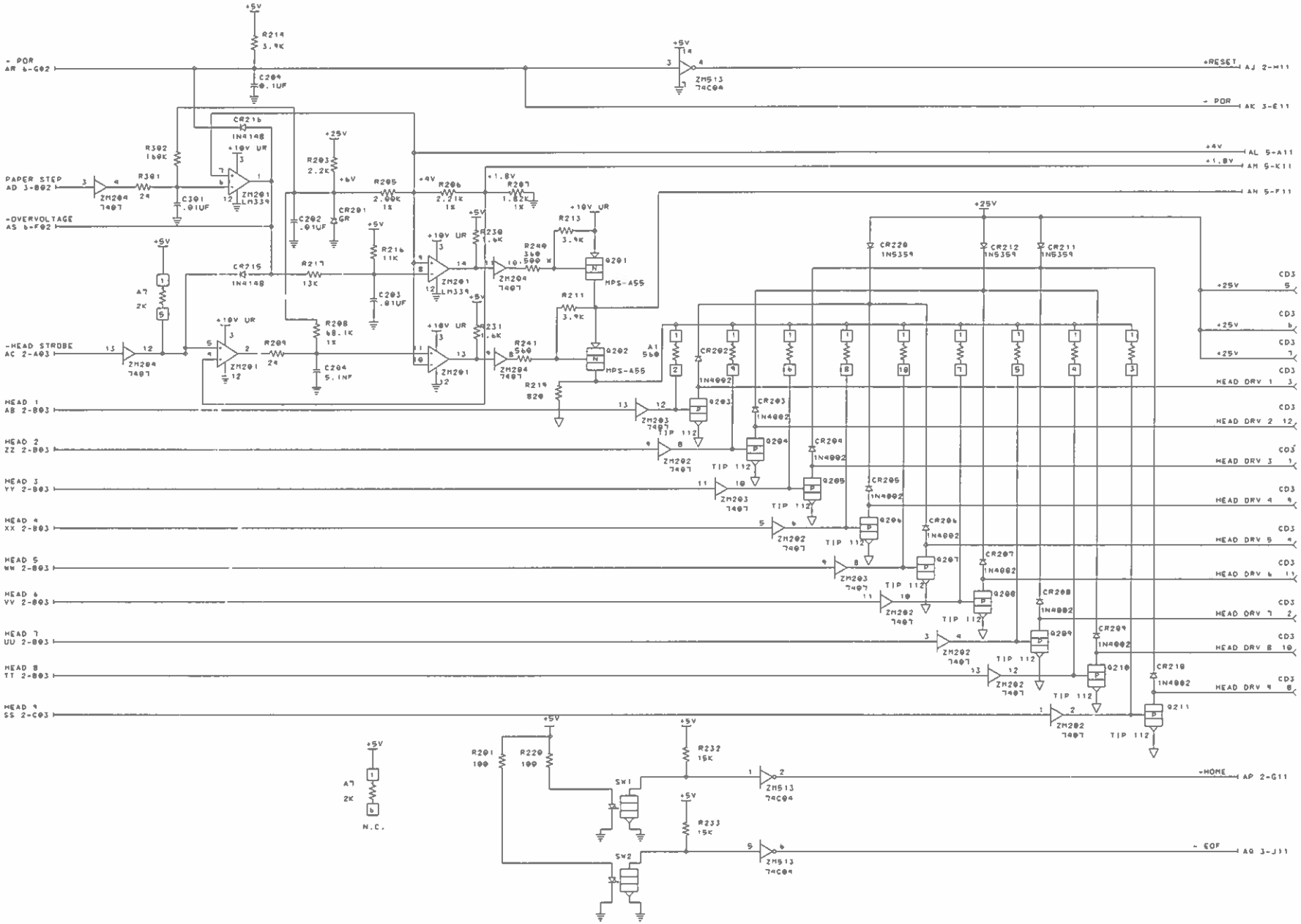
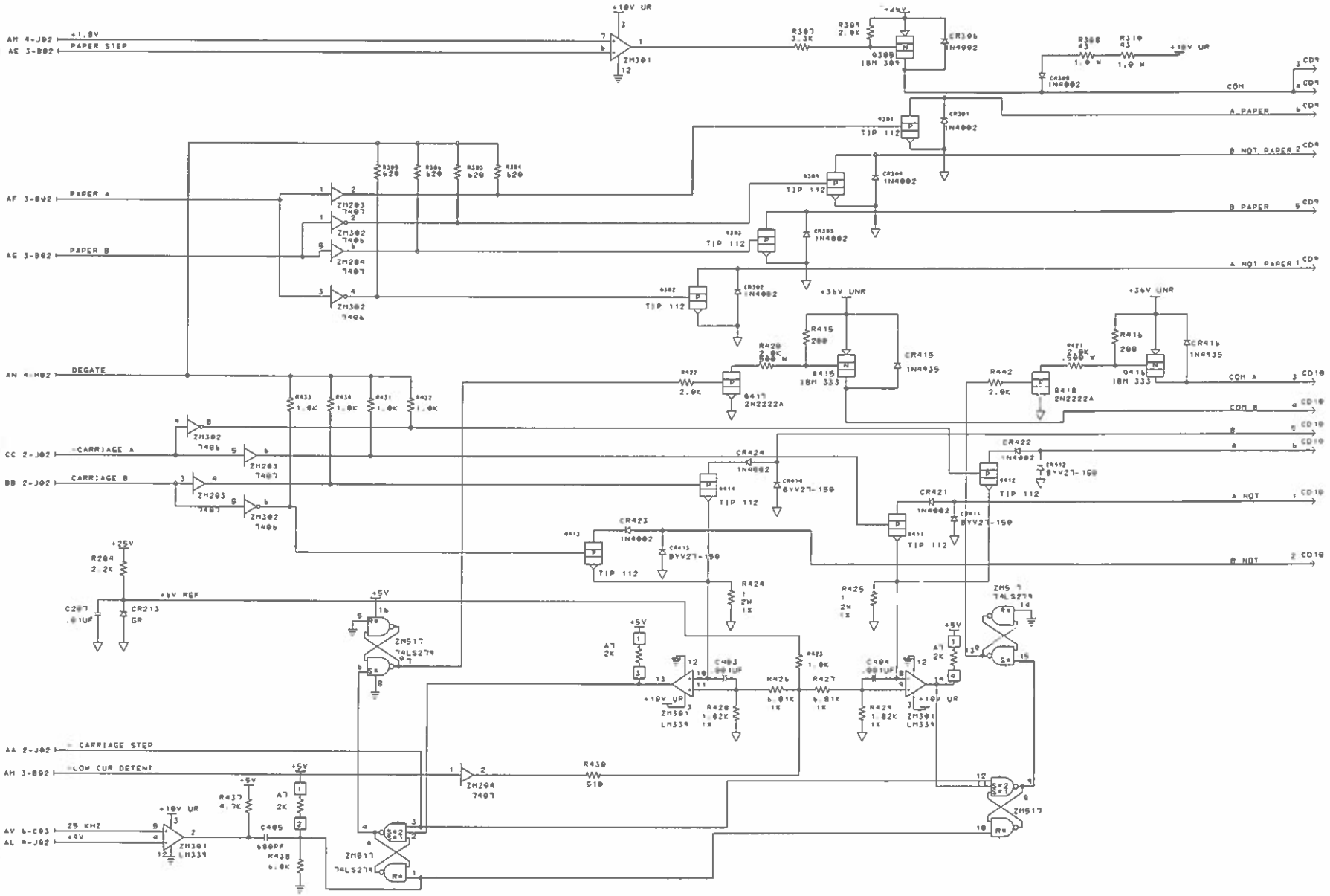
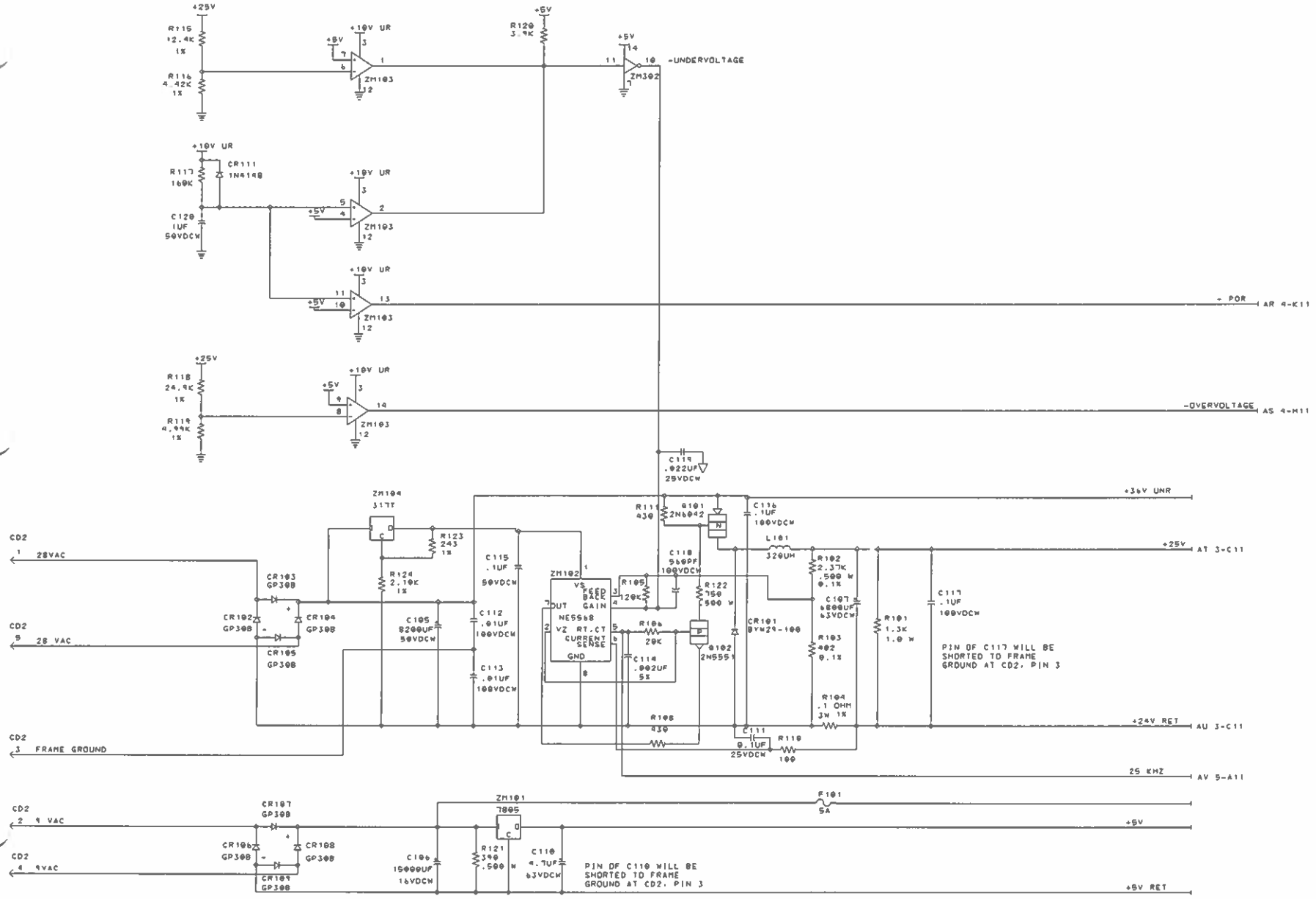

+5V
AJ 2K
N.C.
ZMS15 7407
ZMS14 74LS05
L501 FER. BEAD
C505 0.1UF
ZMS01
8031
P3.0
-RD
-WR
P3.1
ALE
-PSE
RESET
-EA
P3.2
P3.3
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
XTAL2
XTAL1
A/D0
A/D1
A/D2
A/D3
A/D4
A/D5
A/D6
A/D7
A8
A9
A10
A11
A12
A13
A14
A15
AJ 4-K02 +RESET
AP 4-B02 -HOME
Y501
11.232MHZ
C513 47PF
C501 47PF
100PF
RS03 4.3K
S1
ZMS08 74LS373
ZMS12 8192X8
ZMS10 2048 X 8
ZMS11 16K X 8
DATA
ADDRESS
GND
VCC
ZMS13 74C04
ZMS16 74LS279
+ CARRIAGE STEP AA 5-B11
CARRIAGE B BB 5-E11
-CARRIAGE A CC 5-E11
- RD DD 3-H11
EE 3-C11
FF 3-C11
GG 3-C11
HH 3-D11
JJ 3-D11
KK 3-D11
LL 3-D11
MM 3-D11
NN 3-H11
+A0
+A1 PP 3-G11
-WR QQ 3-H11
8000 TO 3FFF RR 3-H11
HEAD 9 SS 4-C11
HEAD 8 TT 4-C11
HEAD 7 UU 4-D11
HEAD 6 VV 4-D11
HEAD 5 WW 4-D11
HEAD 4 XX 4-E11
HEAD 3 YY 4-E11
HEAD 2 ZZ 4-F11
HEAD 1 AB 4-F11
-HEAD STROBE AC 4-G11
+5V +5V +5V +5V +5V +5V +5V +5V +5V +5V +5V +5V +10V UR
C302 C206 C503 C504 C505 C507 C508 C509 C510 C511 C512 C208 C209
NOTE SEE BILL OF MATERIALS FOR DECOUPLING CAPACITOR VALUES.

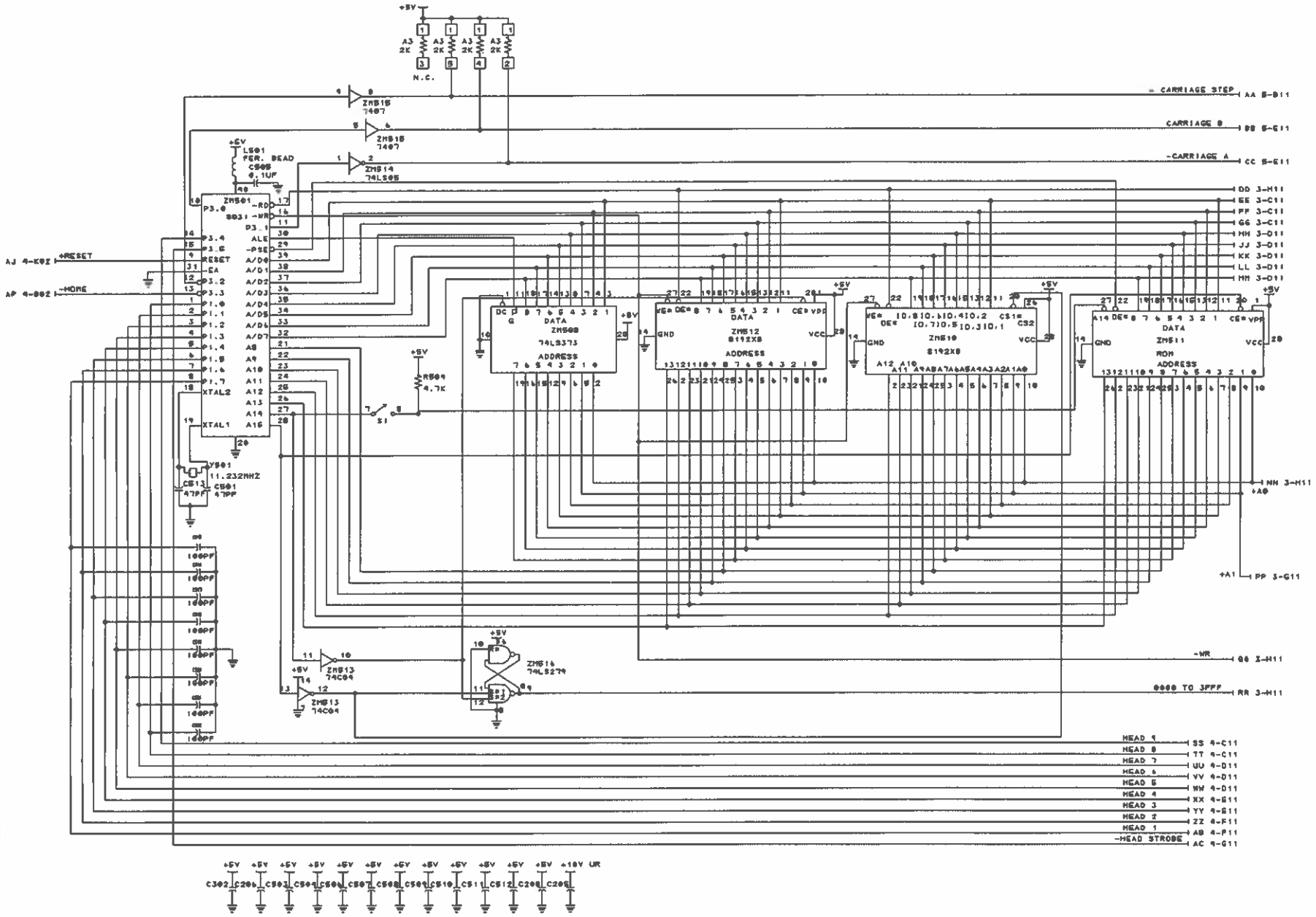

- EOP
-WR
-RD
8000 TO 3FFF
- POR
FRAME GROUND
+24V RET
+25V
+10V UR
- ON LINE KEY 3
- ON LINE LIGHT 7
- LINE FEED KEY 2
- FORM FEED KEY 1
- PAPER LIGHT 6
CENT -INIT LATCH
- DATA AVAILABLE
CENT -INIT
CENT VCC
CENT PAP EMPT
CENT +SELECT
CENT -ERROR
CENT -ACKNG
CENT BUSY
CENT +STROBE
CENT DATABIT 8
CENT DATABIT 7
CENT DATABIT 6
CENT DATABIT 5
CENT DATABIT 4
CENT DATABIT 3
CENT DATABIT 2
CENT DATABIT 1
PAPER STEP
PAPER A
PAPER B
+LOW CUR DETENT

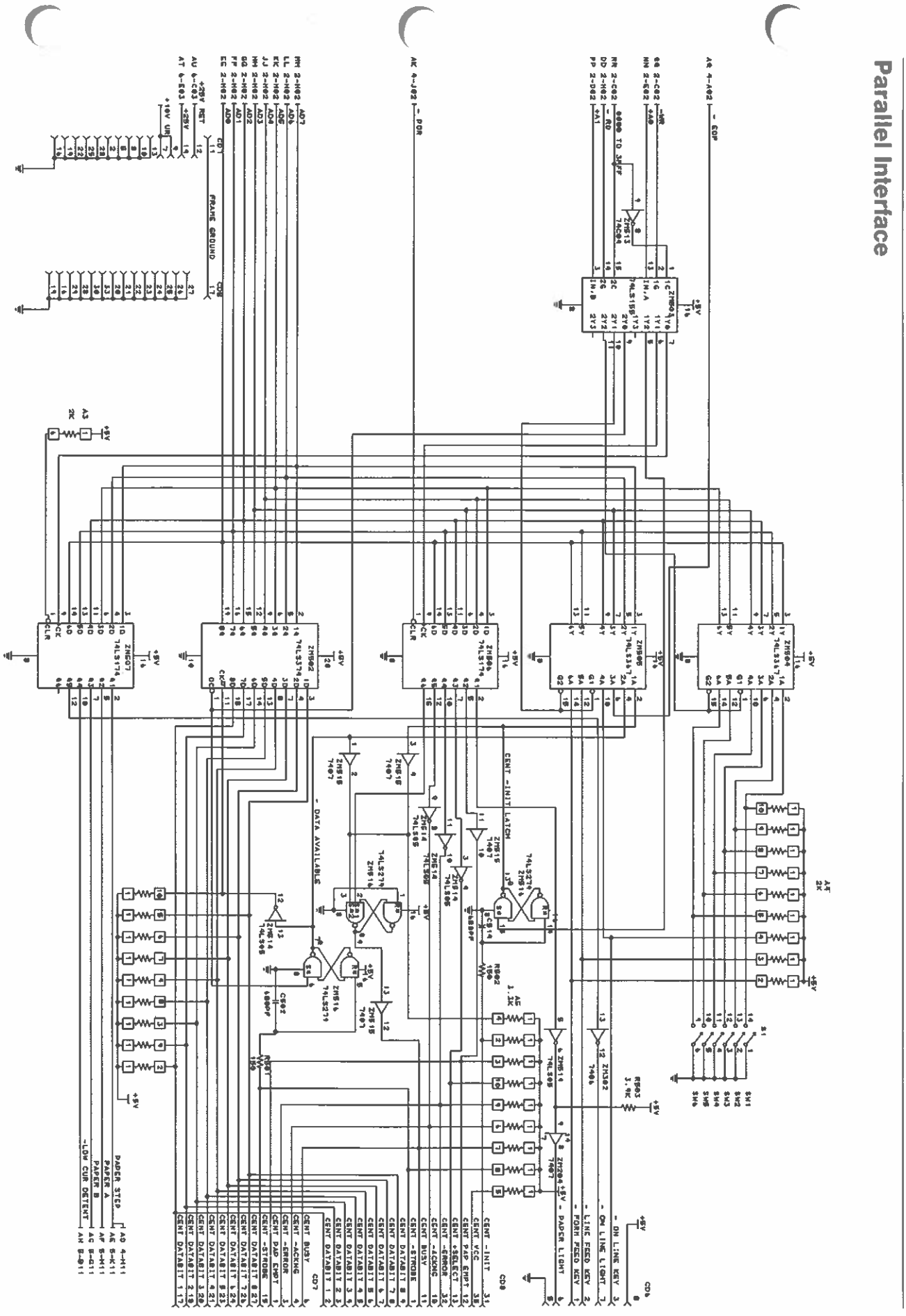

- POR
AR 6-G02
PAPER STEP
AD 3-B02
-OVERVOLTAGE
AS 6-F02
-HEAD STROBE
AC 2-A03
HEAD 1
AB 2-B03
HEAD 2
ZZ 2-B03
HEAD 3
YY 2-B03
HEAD 4
XX 2-B03
HEAD 5
WW 2-B03
HEAD 6
VV 2-B03
HEAD 7
UU 2-B03
HEAD 8
TT 2-B03
HEAD 9
SS 2-C03
+RESET
AJ 2-H11
- POR
AK 3-E11
+4V
AL 5-A11
+1.8V
AM 5-K11
AN 5-F11
-HOME
AP 2-G11
- EOF
AQ 3-J11
HEAD DRV 1
HEAD DRV 2
HEAD DRV 3
HEAD DRV 4
HEAD DRV 5
HEAD DRV 6
HEAD DRV 7
HEAD DRV 8
HEAD DRV 9
CD3
+25V
+5V
+10V UR
+6V
N.C.
ZM204 7407
ZM201 LM339
ZM202 7407
ZM203 7407
ZM513 74C04
TIP 112
MPS-A55
1N4002
1N5359
1N4148

Motor Drivers

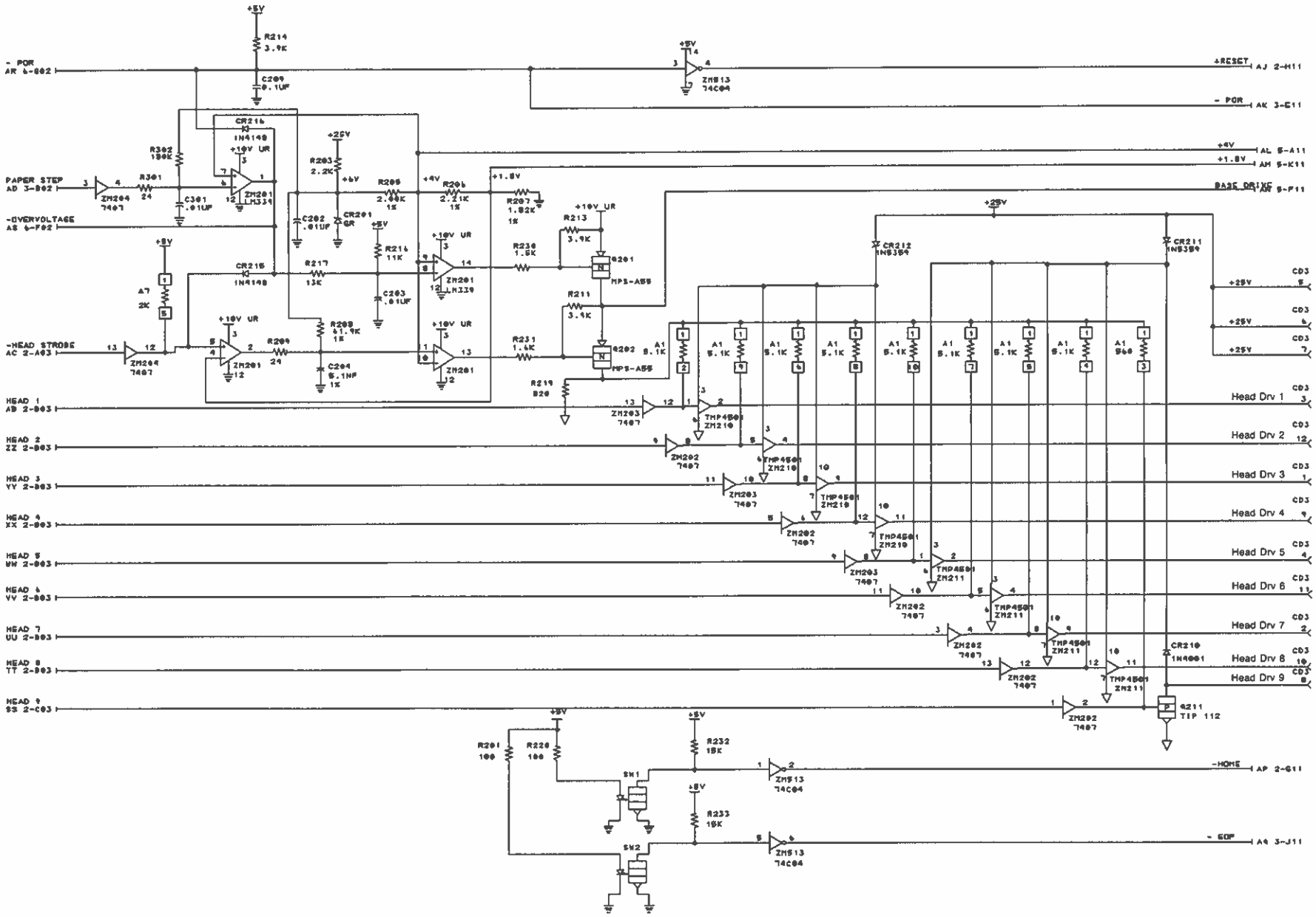



+25V
R115 12.4K 1%
R116 4.42K 1%
+10V UR
ZM103
ZM102
+5V
R120 3.9K
-UNDERVOLTAGE
R117 169K
CR111 1N4148
C120 1UF 50VDCW
- POR
AR 4-K11
R118 24.9K 1%
R119 4.99K 1%
-OVERVOLTAGE
AS 4-M11
C119 .022UF 25VDCW
ZM104 317T
+36V UNR
Q101 2N6042
C116 .1UF 100VDCW
L101 320UH
+25V
AT 3-C11
R123 243 1%
R124 2.10K 1%
C115 .1UF 50VDCW
C112 .01UF 100VDCW
C113 .01UF 100VDCW
C105 8200UF 50VDCW
CR103 GP30B
CR102 GP30B
CR104 GP30B
CR105 GP30B
CD2 1 28VAC
CD2 5 28 VAC
CD2 3 FRAME GROUND
NE5568
VS FEED BACK GAIN
OUT
VZ RT.CT SENSE
CURRENT SENSE
GND
R105 120K
R122 750 5W
C118 560PF 100VDCW
R106 20K
C114 .002UF 5%
Q102 2N5551
CR101 BYW29-100
R102 2.37K .500 W 0.1%
C107 6800UF 63VDCW
R103 402 0.1%
R104 .1 OHM 3W 1%
R101 1.3K 1.0 W
C117 .1UF 100VDCW
PIN OF C117 WILL BE SHORTED TO FRAME GROUND AT CD2, PIN 3
R108 430
+24V RET
AU 3-C11
C111 0.1UF 25VDCW
R110 100
25 KHZ
AV 5-A11
ZM101 7805
F101 5A
+5V
CD2 2 9 VAC
CD2 4 9VAC
CR107 GP30B
CR106 GP30B
CR108 GP30B
CR109 GP30B
C106 15000UF 16VDCW
R121 3W .500 W
C110 4.7UF 63VDCW
PIN OF C110 WILL BE SHORTED TO FRAME GROUND AT CD2, PIN 3
+5V RET

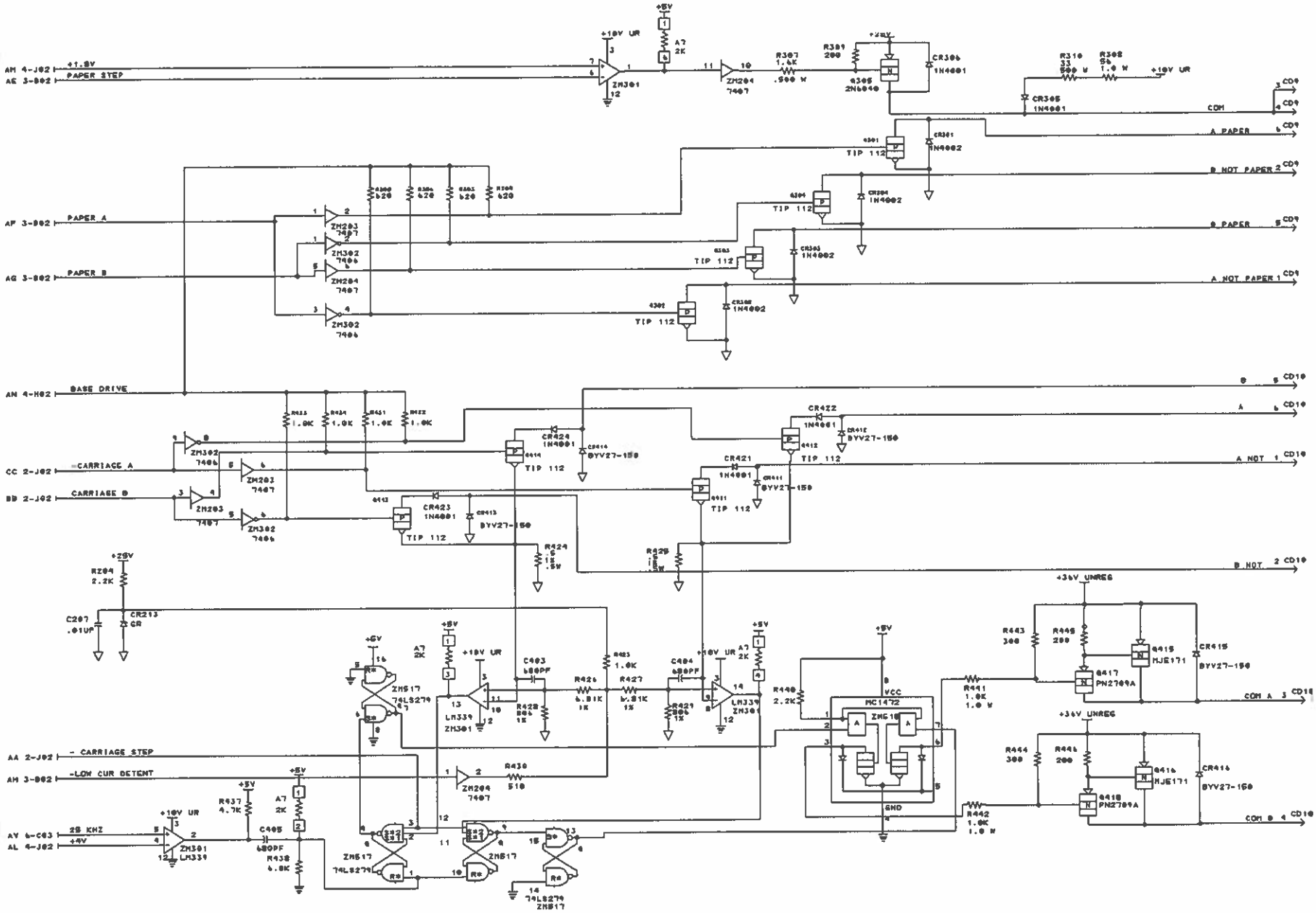

+5V
N.C.
ZMS15 7407
ZMS16 7407
ZMS14 74LS05
LS01 FER. BEAD
C505 0.1UF
ZMS01
P3.0
8031
P3.4
P3.5
RESET
EA
P3.2
P3.3
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
XTAL2
XTAL1
-RD
-WR
P3.7
ALE
-PSE
A/D0
A/D1
A/D2
A/D3
A/D4
A/D5
A/D6
A/D7
A8
A9
A10
A11
A12
A13
A14
A15
AJ 4-K9 I +RESET
AP 4-B9 I -HOME
RS01 4.7K
S1
Y501 11.232MHZ
C513 47PF
C501 47PF
100PF
ZMS13 74C04
ZMS16 74LS279
DATA
ZMS08 74LS373
ADDRESS
ZMS12 8192X8
ZMS10 8192X8
ZMS11 ROM
ADDRESS
- CARRIAGE STEP
CARRIAGE B
-CARRIAGE A
DD 3-H11
EE 3-C11
FF 3-C11
GG 3-C11
HH 3-D11
JJ 3-D11
KK 3-D11
LL 3-D11
MM 3-D11
NN 3-H11
+A0
+A1
PP 3-G11
-WR
QQ 3-H11
0000 TO 3FFF
RR 3-H11
HEAD 9
HEAD 8
HEAD 7
HEAD 6
HEAD 5
HEAD 4
HEAD 3
HEAD 2
HEAD 1
-HEAD STROBE
SS 4-C11
TT 4-C11
UU 4-D11
VV 4-D11
WW 4-D11
XX 4-E11
YY 4-E11
ZZ 4-F11
AB 4-P11
AC 4-G11
+18V UR
C502 C504 C506 C507 C508 C509 C510 C511 C512 C208 C209

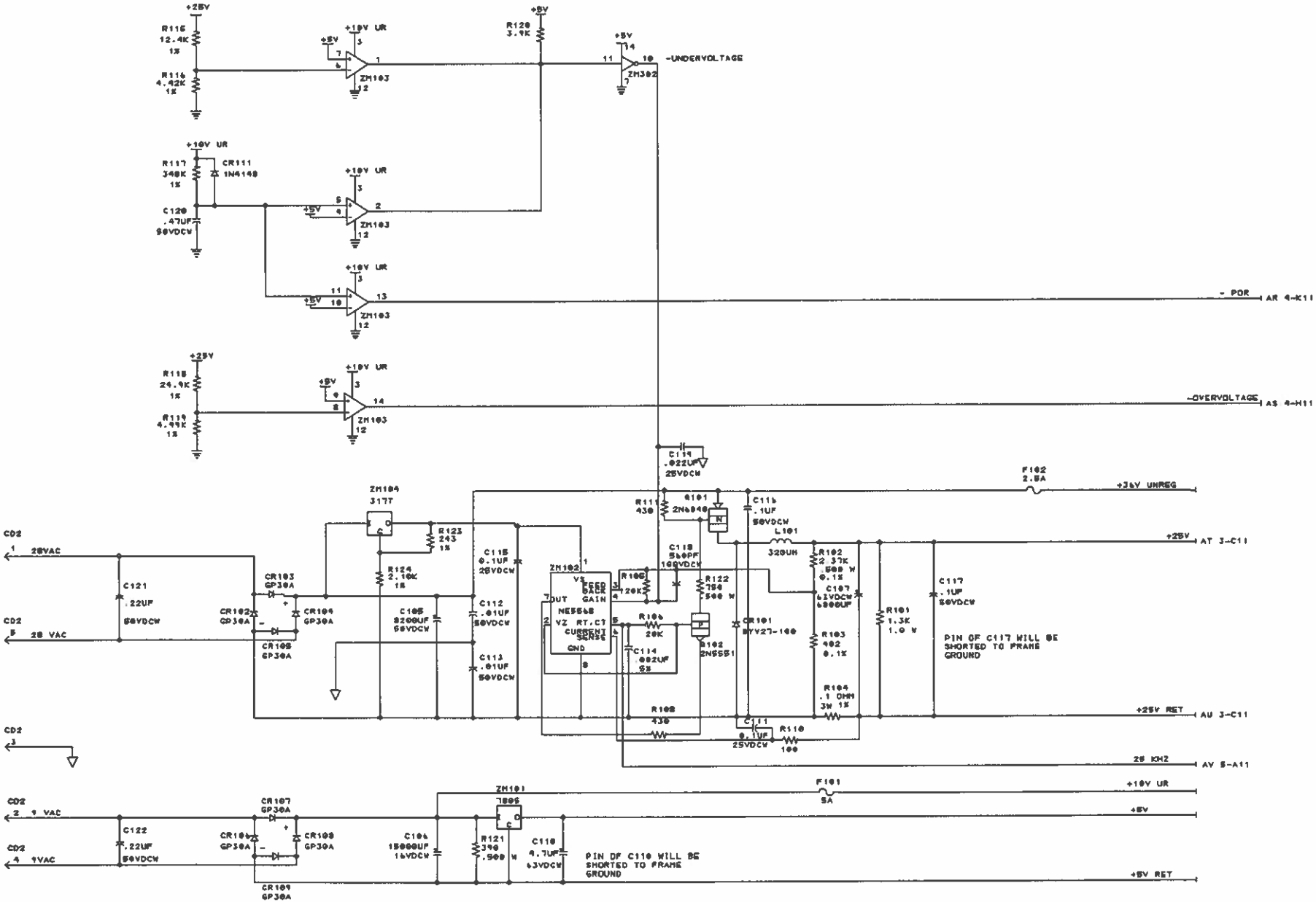


Print Drivers

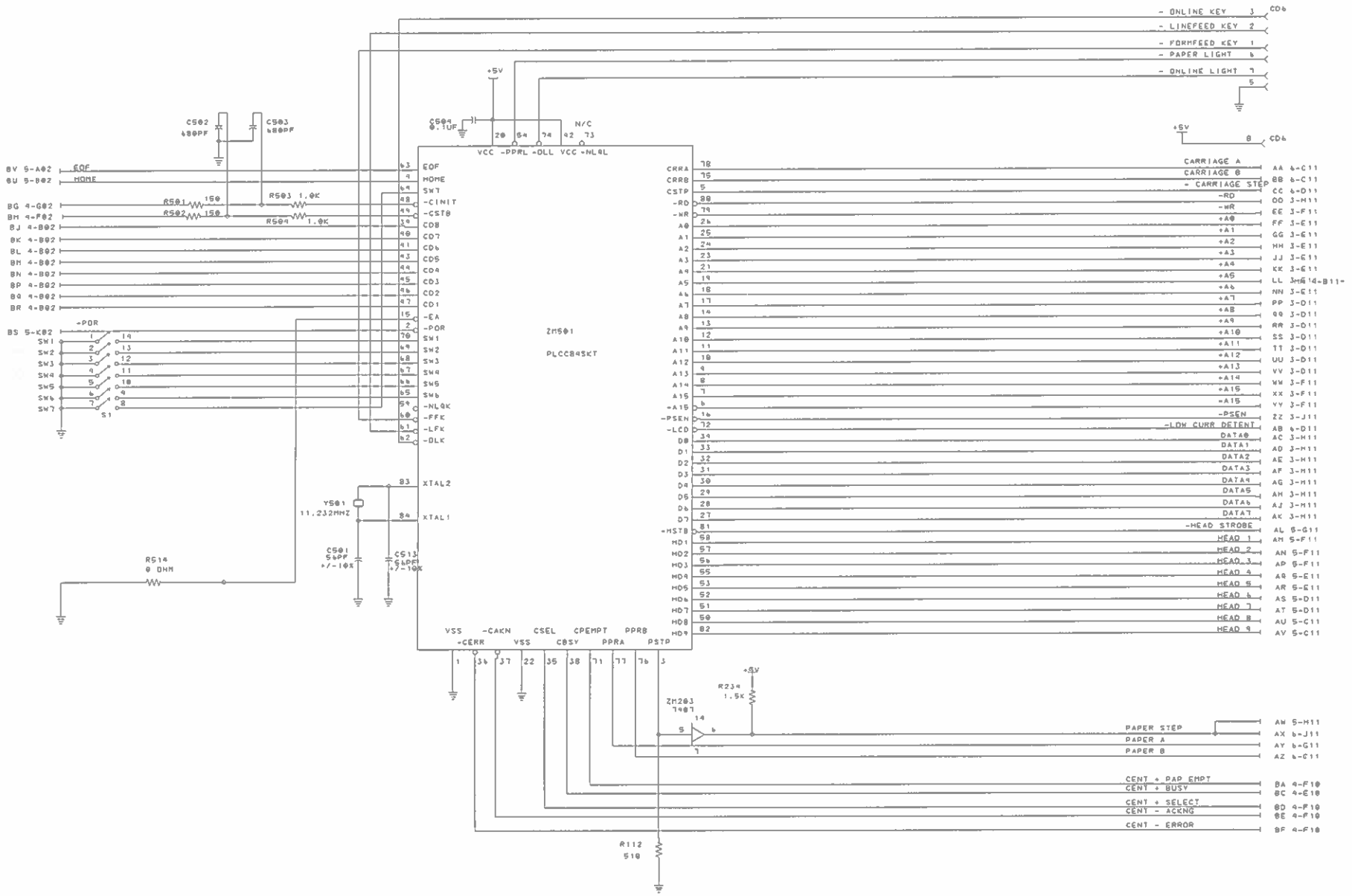


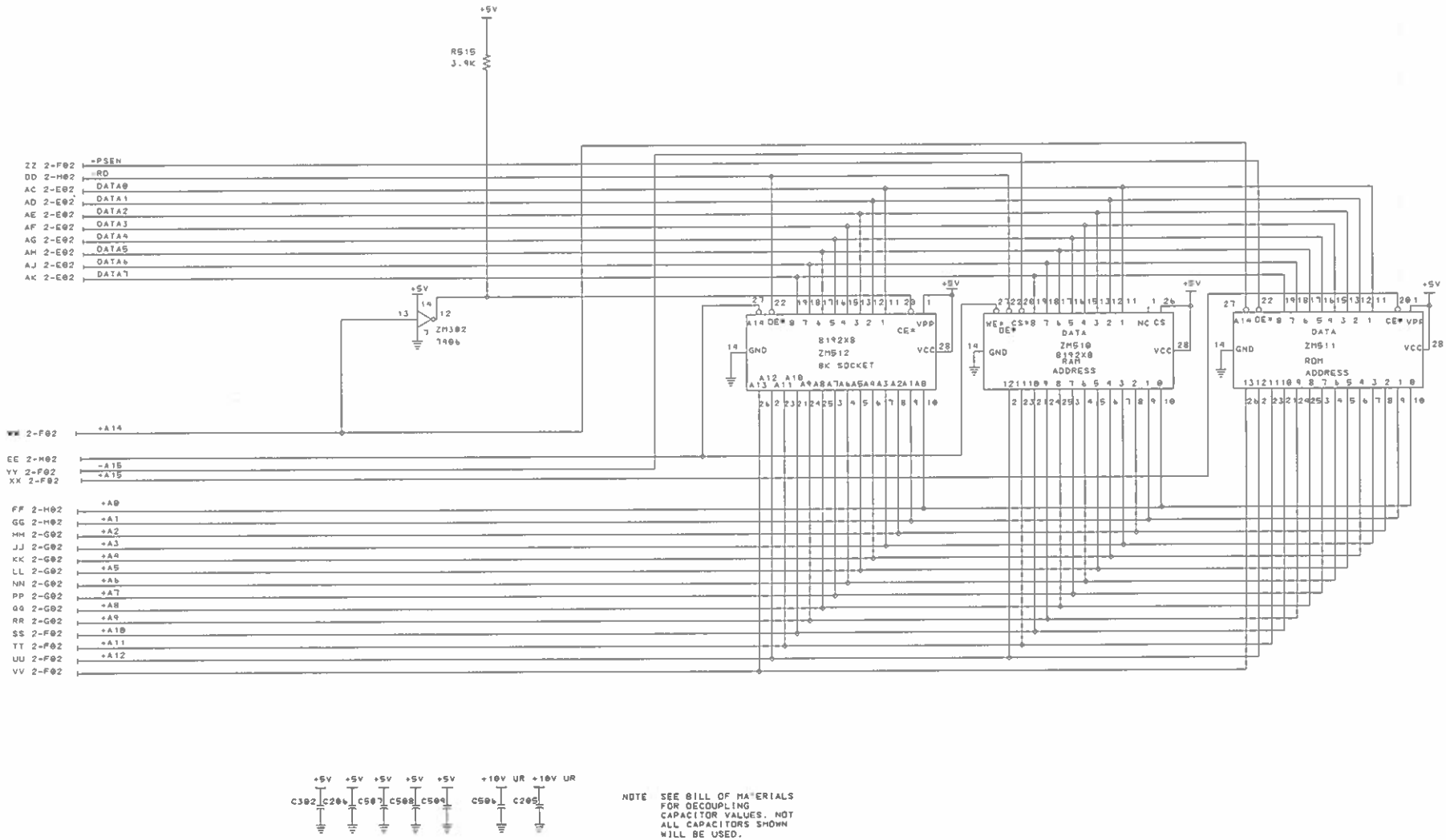
Motor Drivers




+25V
R115 12.4K 1%
R116 4.42K 1%
+10V UR
ZM103
+5V
R120 3.9K
ZM302
-UNDERVOLTAGE
R117 348K 1%
CR111 1N4148
C120 .47UF 50VDCV
- POR
AR 4-K11
R118 24.9K 1%
R119 4.99K 1%
-OVERVOLTAGE
AS 4-H11
C119 .022UF 25VDCV
ZM104 3177
F102 2.5A
+3&V UNREG
CD2
1 28VAC
5 28 VAC
C121 .22UF 50VDCV
CR103 GP30A
CR102 GP30A
CR104 GP30A
CR105 GP30A
R123 243 1%
R124 2.10K 1%
C105 2200UF 50VDCV
C115 0.1UF 25VDCV
C112 .01UF 50VDCV
C113 .01UF 50VDCV
ZM102
NE5560
VZ RT.CT
CURRENT SENSE
GND
R106 20K
C114 .002UF 5%
R108 430
Q101 2N6848
C116 .1UF 50VDCV
L101 320UH
C118 560PF 100VDCV
R122 750 5W
CR101 BYV27-100
Q102 2N5551
R102 2.37K .5W 0.1%
C107 63VDCV 6800UF
R103 402 0.1%
R104 .1 OHM 3W 1%
R101 1.3K 1.0 W
C117 .1UF 50VDCV
PIN OF C117 WILL BE SHORTED TO FRAME GROUND
+25V
AT 3-C11
+25V RET
AU 3-C11
C111 0.1UF 25VDCV
R110 100
25 KHZ
AV 5-A11
CD2
3
CD2
2 9 VAC
4 9VAC
C122 .22UF 50VDCV
CR107 GP30A
CR106 GP30A
CR108 GP30A
CR109 GP30A
C106 15000UF 16VDCV
ZM101 7805
R121 390 .5W
C110 4.7UF 63VDCV
PIN OF C110 WILL BE SHORTED TO FRAME GROUND
F101 5A
+10V UR
+5V
+5V RET

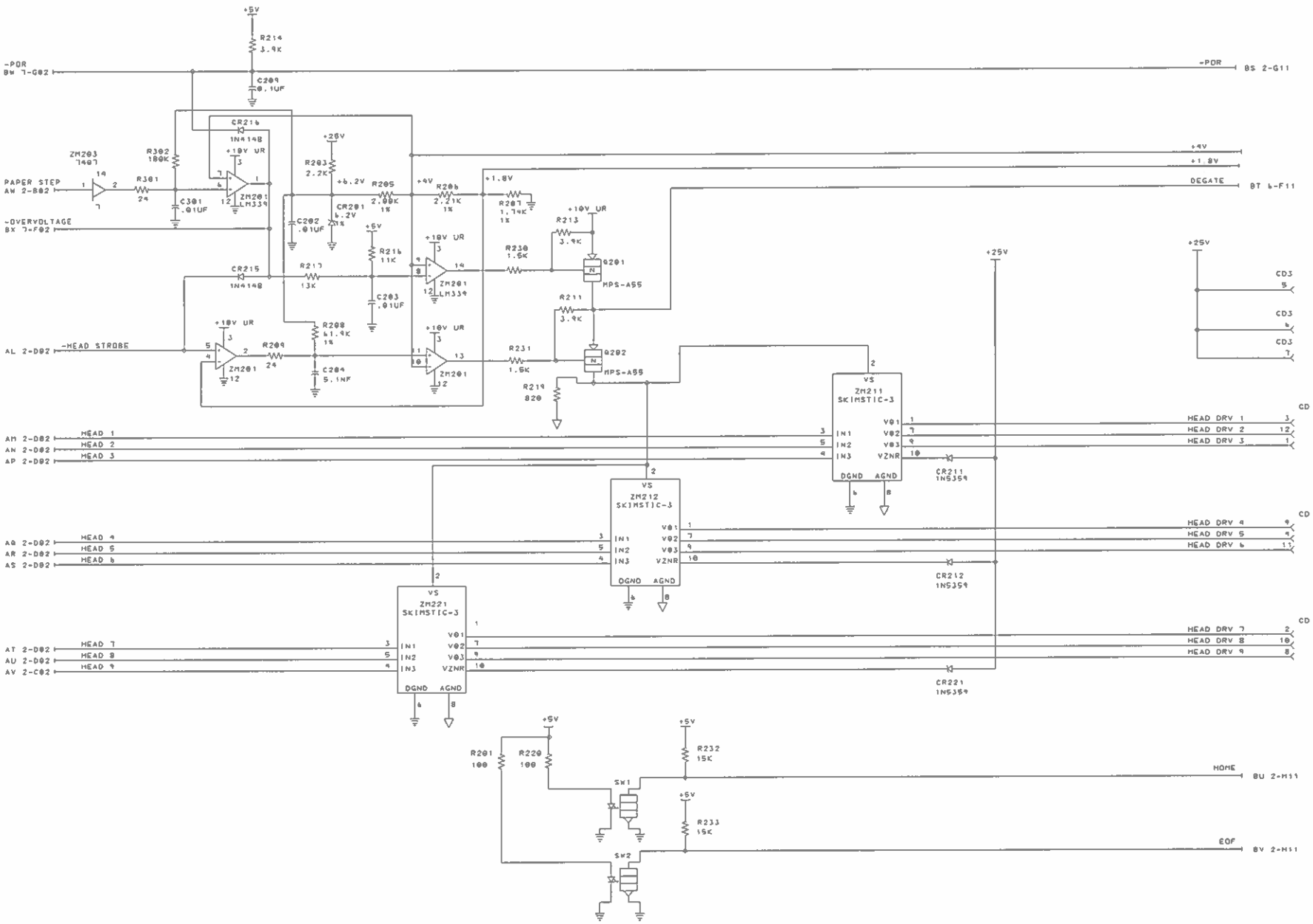
Processor


ZM501
PLCC84SKT
- ONLINE KEY
- LINEFEED KEY
- FORMFEED KEY
- PAPER LIGHT
- ONLINE LIGHT
CARRIAGE A
CARRIAGE B
- CARRIAGE STEP
PAPER STEP
PAPER A
PAPER B
CENT + PAP EMPT
CENT + BUSY
CENT + SELECT
CENT - ACKNG
CENT - ERROR
- PSEN
-LOW CURR DETENT
-HEAD STROBE
HEAD 1
HEAD 2
HEAD 3
HEAD 4
HEAD 5
HEAD 6
HEAD 7
HEAD 8
HEAD 9
YS01
11.232MHZ
R514
0 OHM
R112
510
R234
1.5K
ZM203
7407

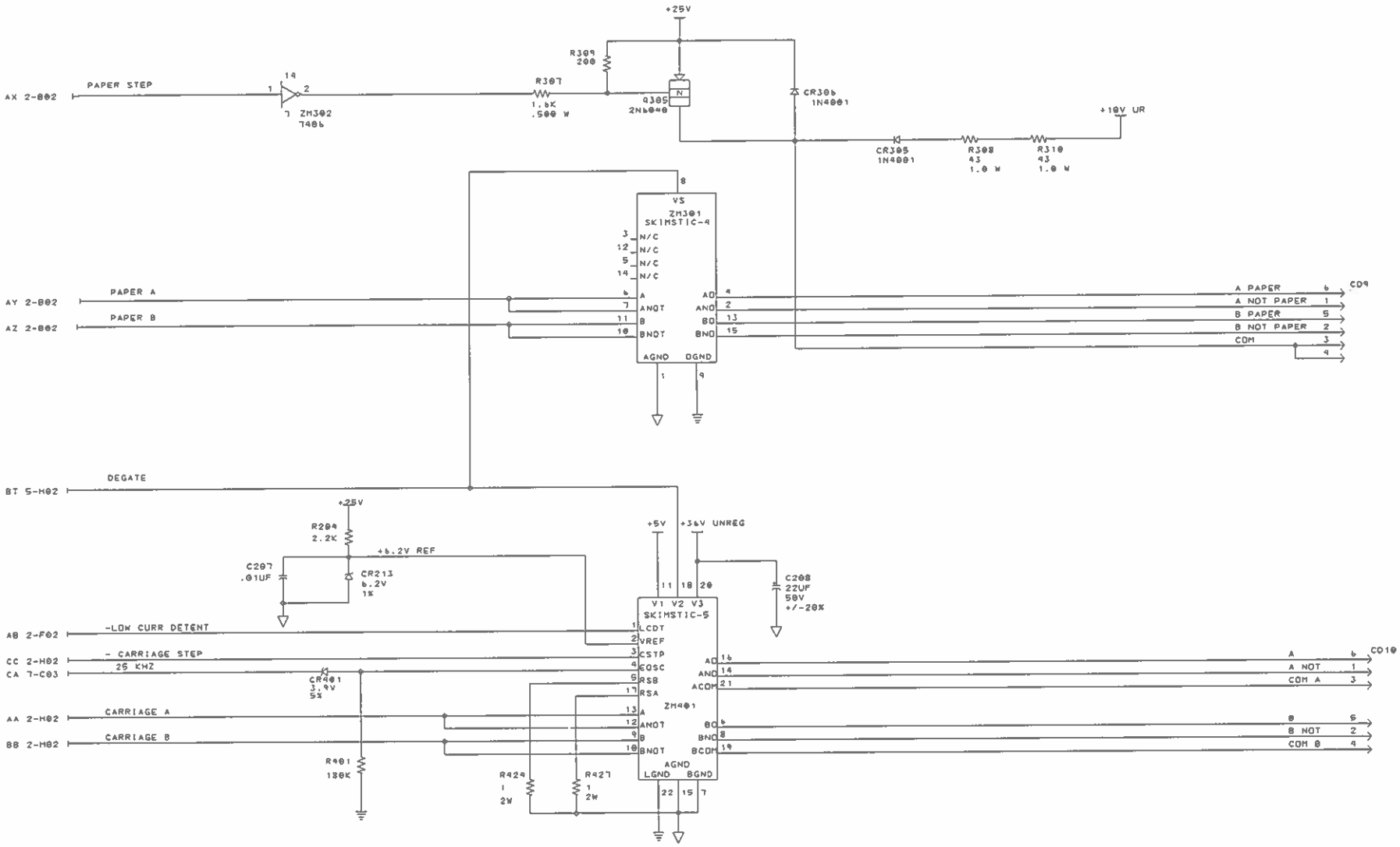


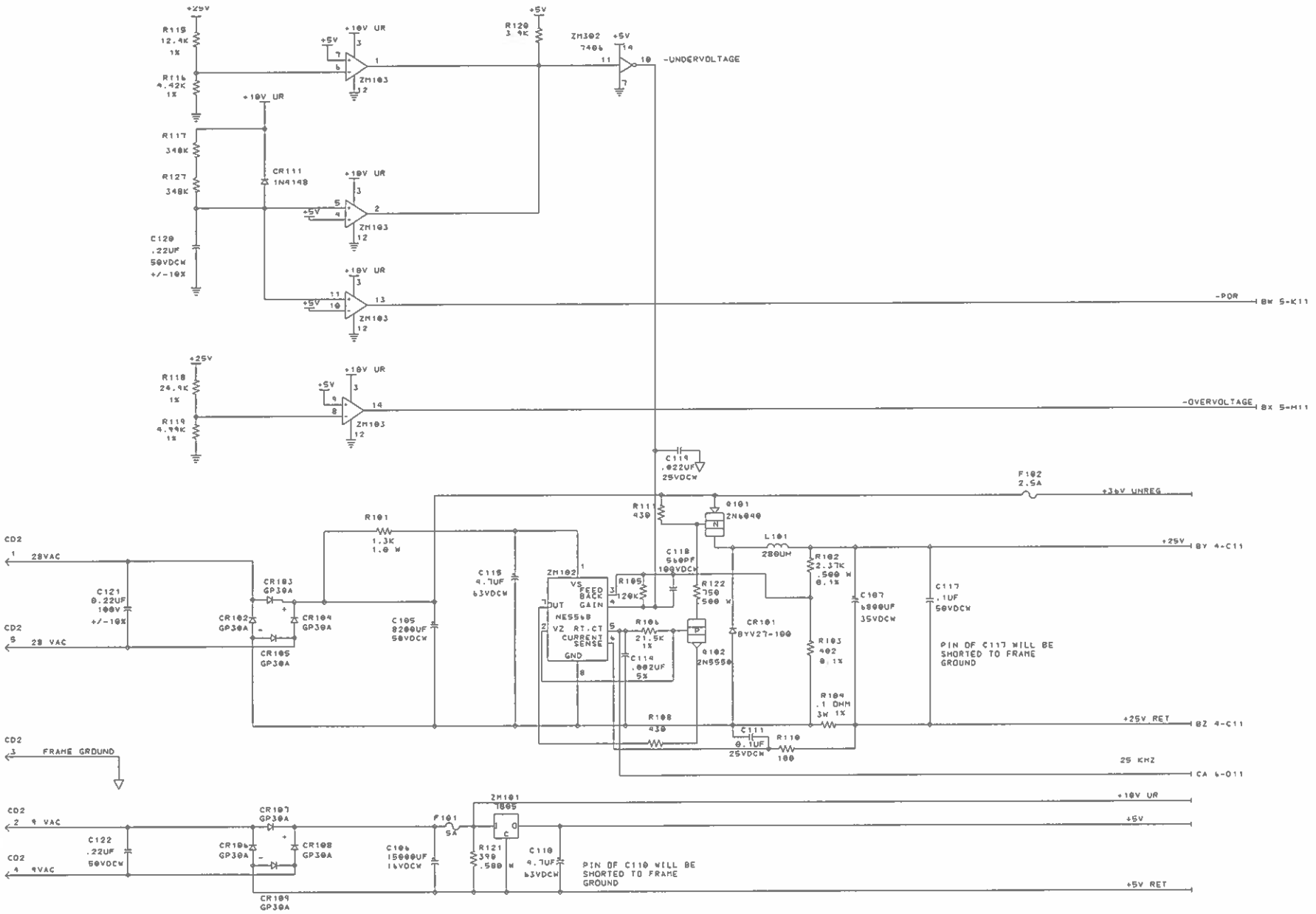
NOTE SEE BILL OF MATERIALS FOR DECOUPLING CAPACITOR VALUES. NOT ALL CAPACITORS SHOWN WILL BE USED.

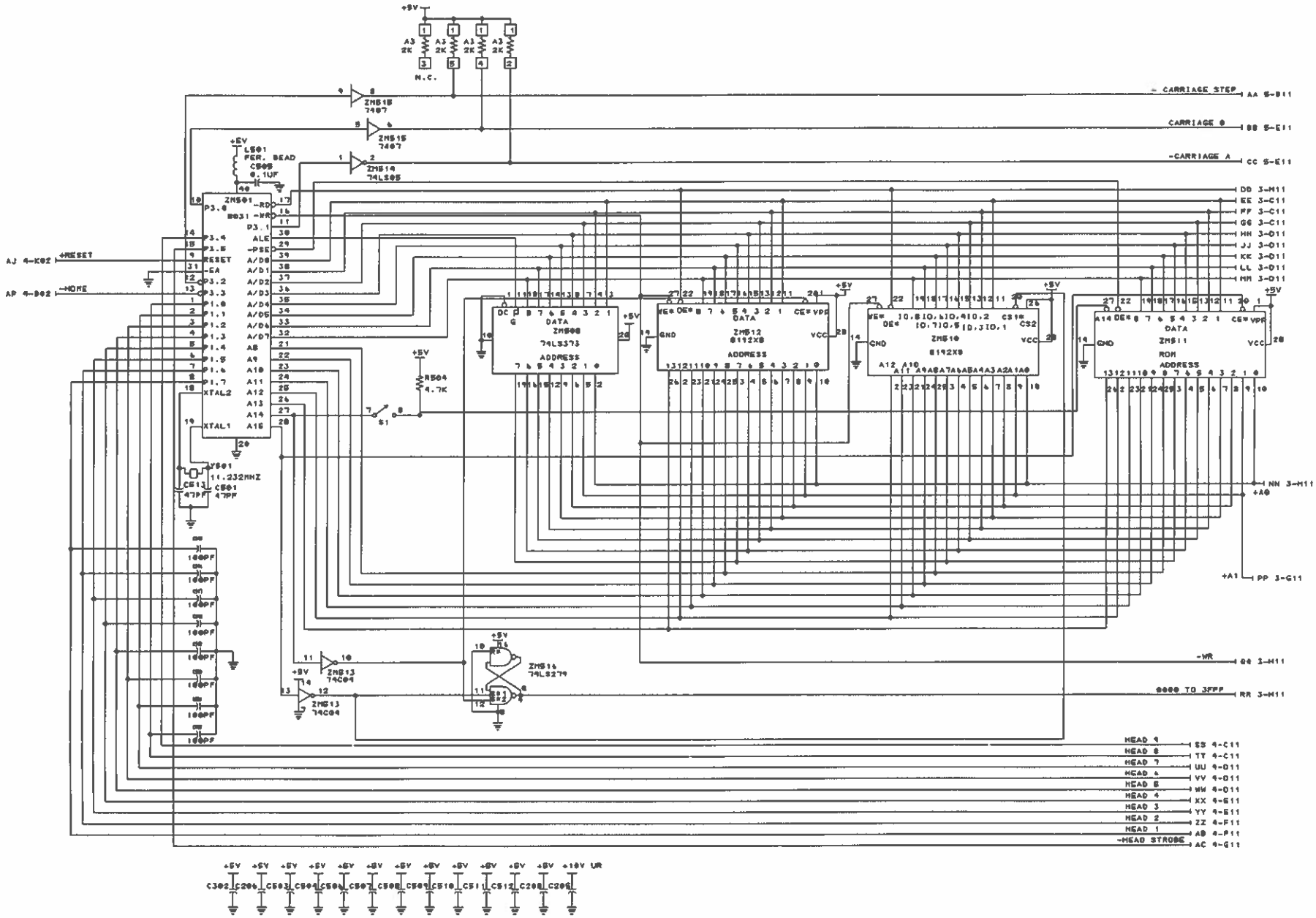
Print Drivers



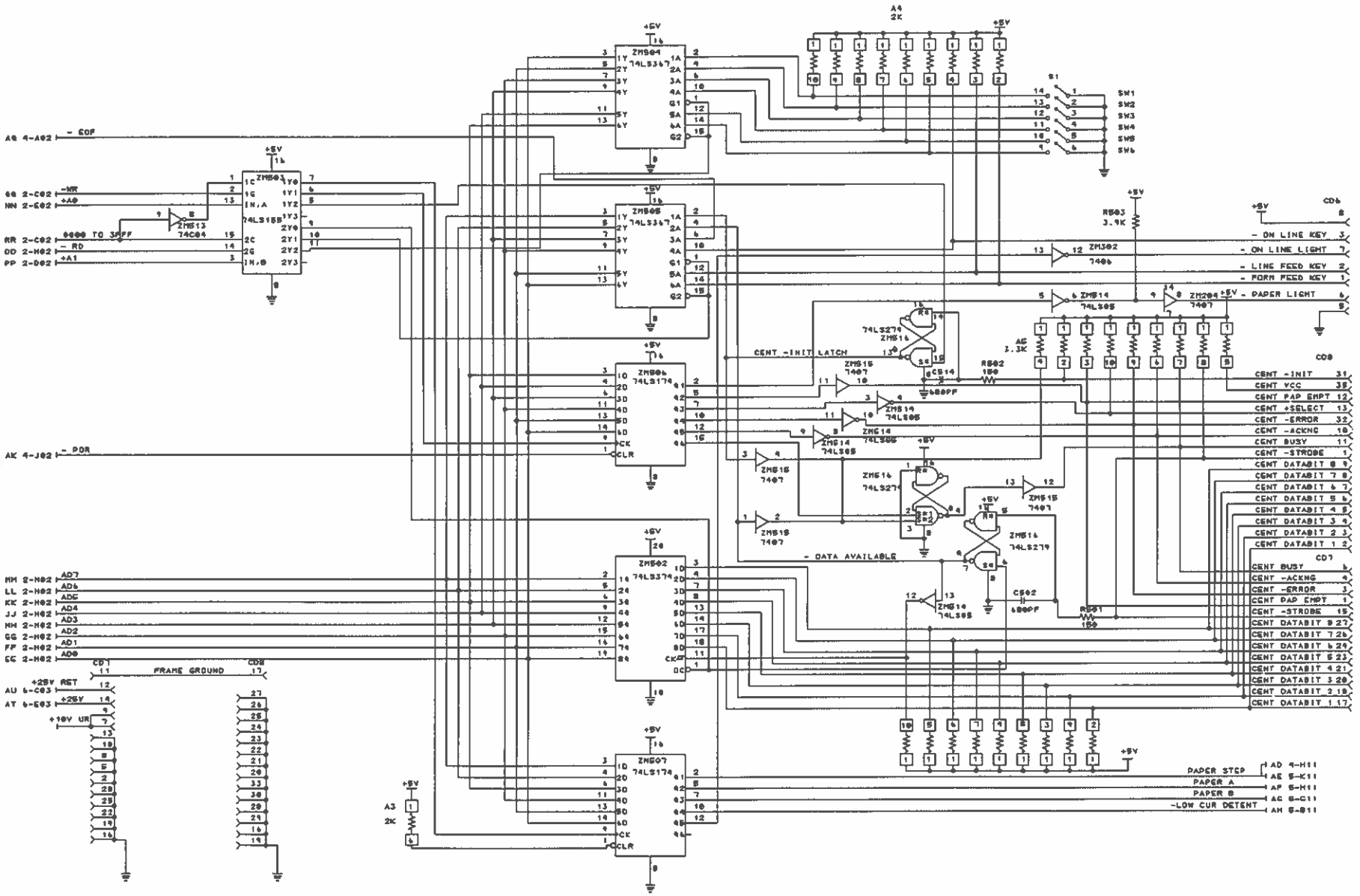
Motor Drivers



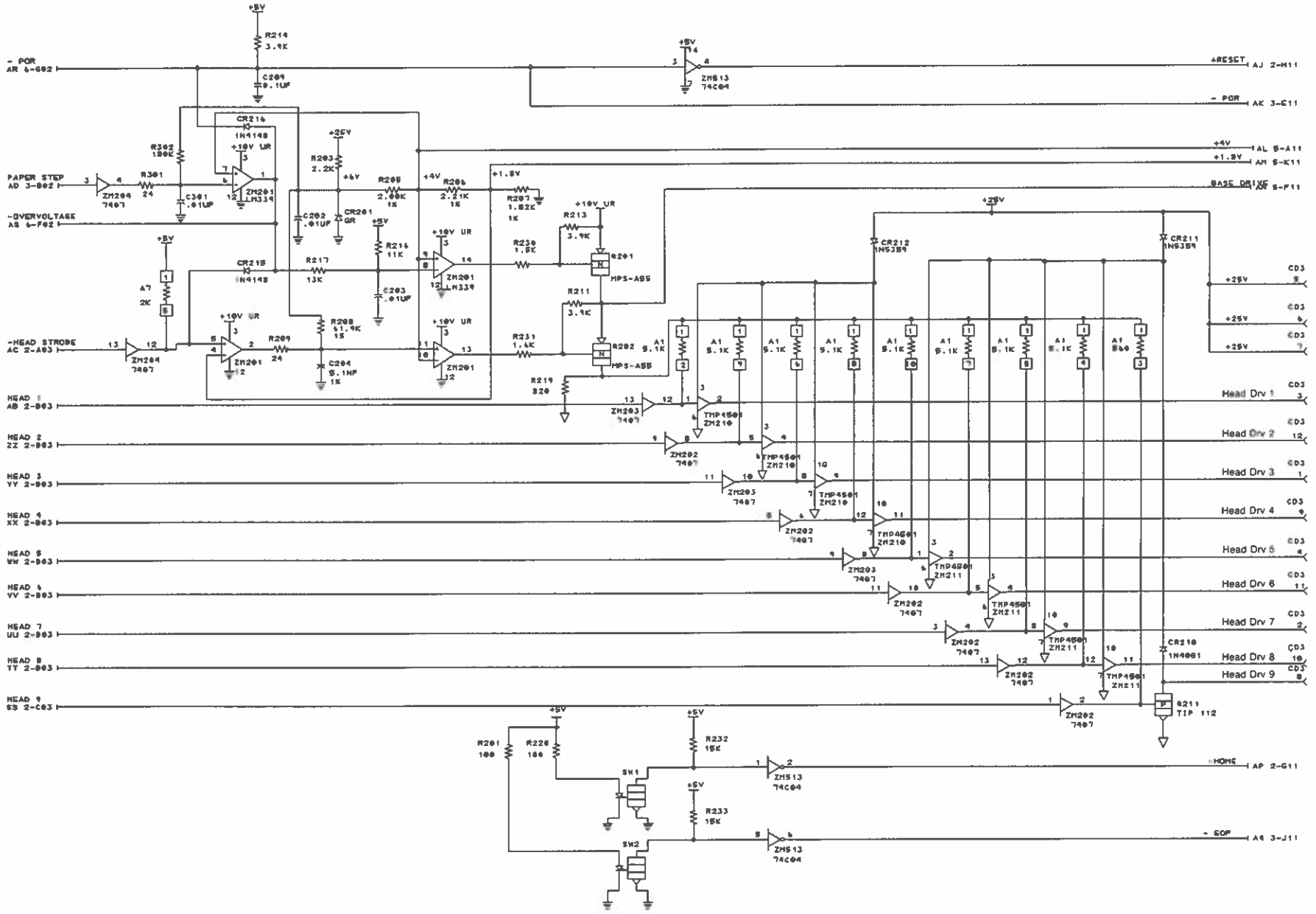

+25V
R115 12.4K 1%
R116 4.42K 1%
+10V UR
+5V
ZM103
ZM102 7406
R120 3.9K
-UNDERVOLTAGE
R117 348K
R127 348K
CR111 1N4148
C120 .22UF 50VDCW +/-10%
-POR
8W 5-K11
R118 24.9K 1%
R119 4.99K 1%
-OVERVOLTAGE
8X 5-M11
C119 .022UF 25VDCW
F102 2.5A
+36V UNREG
R111 430
Q101 2N6040
L101 280UH
+25V
8Y 4-C11
R101 1.3K 1.0 W
CD2
28VAC
C121 0.22UF 100V +/-10%
CR103 GP30A
CR102 GP30A
CR104 GP30A
CR105 GP30A
C105 8200UF 50VDCW
C115 4.7UF 63VDCW
ZM102
VS FEED BACK GAIN
OUT
NE5568
VZ RT.CT CURRENT SENSE
GND
R105 120K
C118 560PF 100VDCW
R122 750 7500 W
R106 21.5K 1%
C114 .002UF 5%
Q102 2N5550
CR101 8YV27-100
R102 2.37K .500 W 0.1%
R103 402 0.1%
C107 6800UF 35VDCW
C117 .1UF 50VDCW
PIN OF C117 WILL BE SHORTED TO FRAME GROUND
R104 .1 OHM 3W 1%
R108 430
C111 0.1UF 25VDCW
R110 100
+25V RET
8Z 4-C11
25 KHZ
CA 4-D11
FRAME GROUND
9 VAC
C122 .22UF 50VDCW
CR107 GP30A
CR106 GP30A
CR108 GP30A
CR109 GP30A
C106 15000UF 16VDCW
F101 5A
ZM101 1805
R121 390 .500 W
C110 4.7UF 63VDCW
PIN OF C110 WILL BE SHORTED TO FRAME GROUND
+10V UR
+5V
+5V RET


+5V
A3 2K
N.C.
ZM515 7407
ZM514 74LS05
ZM501
P3.0
8031
P3.1
P3.4
P3.5
RESET
EA
P3.2
P3.3
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
XTAL2
XTAL1
ALE
-PSE
A/D0
A/D1
A/D2
A/D3
A/D4
A/D5
A/D6
A/D7
A8
A9
A10
A11
A12
A13
A14
A15
LS01 FER. BEAD
CS05 0.1UF
AJ 4-K02 +RESET
AP 4-B02 -HOME
YS01 11.232MHZ
CS13 47PF
CS01 47PF
100PF
RS04 4.7K
S1
ZM513 74C04
ZM514 74LS279
ZM508 74LS373
ZM512 8192X8
ZM510 8192X8
ZM511 ROM
DATA
ADDRESS
- CARRIAGE STEP AA 5-B11
CARRIAGE 0 BB 5-E11
-CARRIAGE A CC 5-E11
DD 3-M11
EE 3-C11
FF 3-C11
GG 3-C11
HH 3-D11
JJ 3-D11
KK 3-D11
LL 3-D11
MM 3-D11
NN 3-M11
+A0
+A1 PP 3-G11
-WR QQ 3-M11
0000 TO 3FFF RR 3-M11
HEAD 9 SS 4-C11
HEAD 8 TT 4-C11
HEAD 7 UU 4-D11
HEAD 6 VV 4-D11
HEAD 5 WW 4-D11
HEAD 4 XX 4-E11
HEAD 3 YY 4-E11
HEAD 2 ZZ 4-F11
HEAD 1 AB 4-P11
-HEAD STROBE AC 4-G11
C202 C204 C503 C504 C505 C507 C508 C509 C510 C511 C512 C206 C205

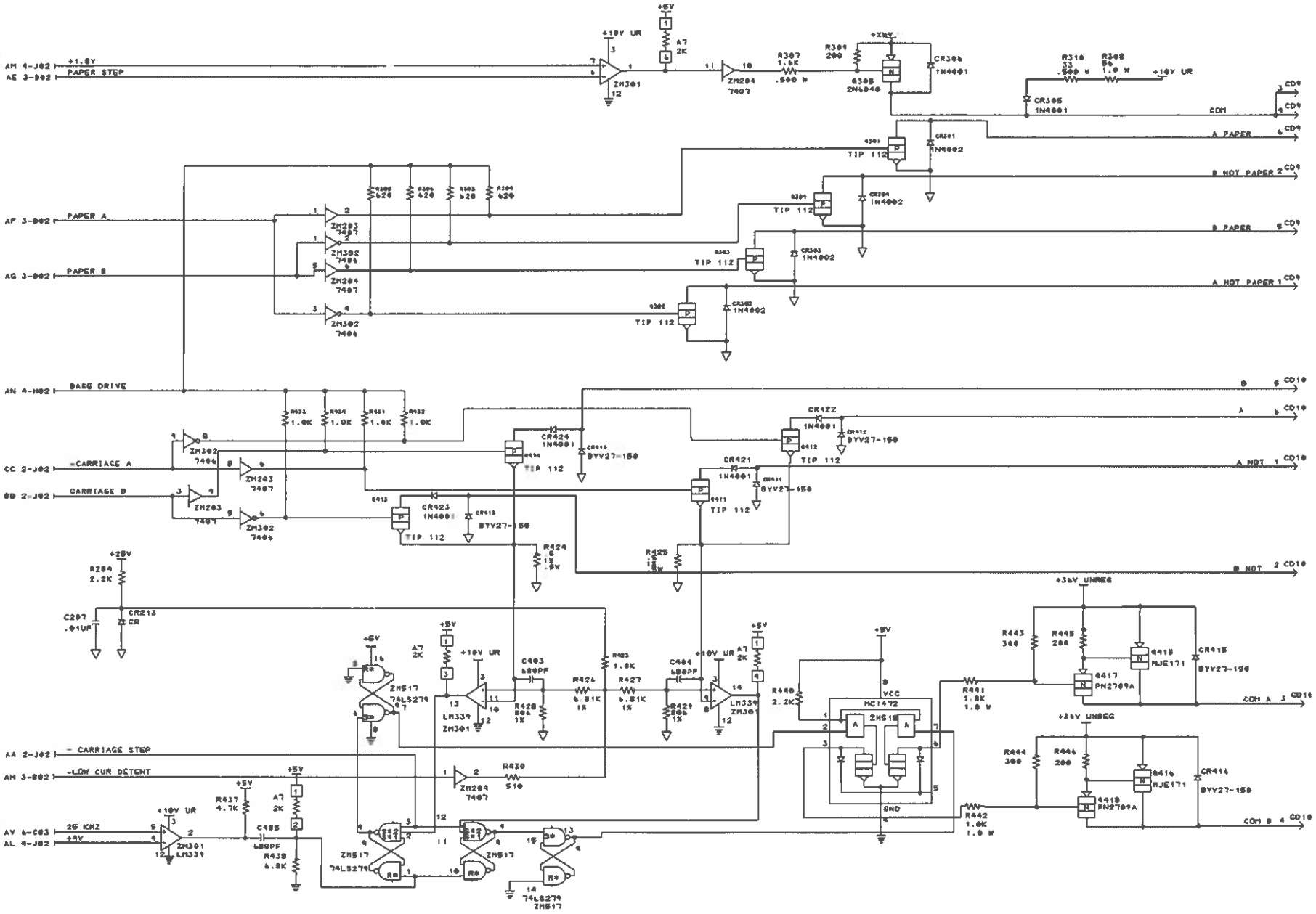
Parallel Interface



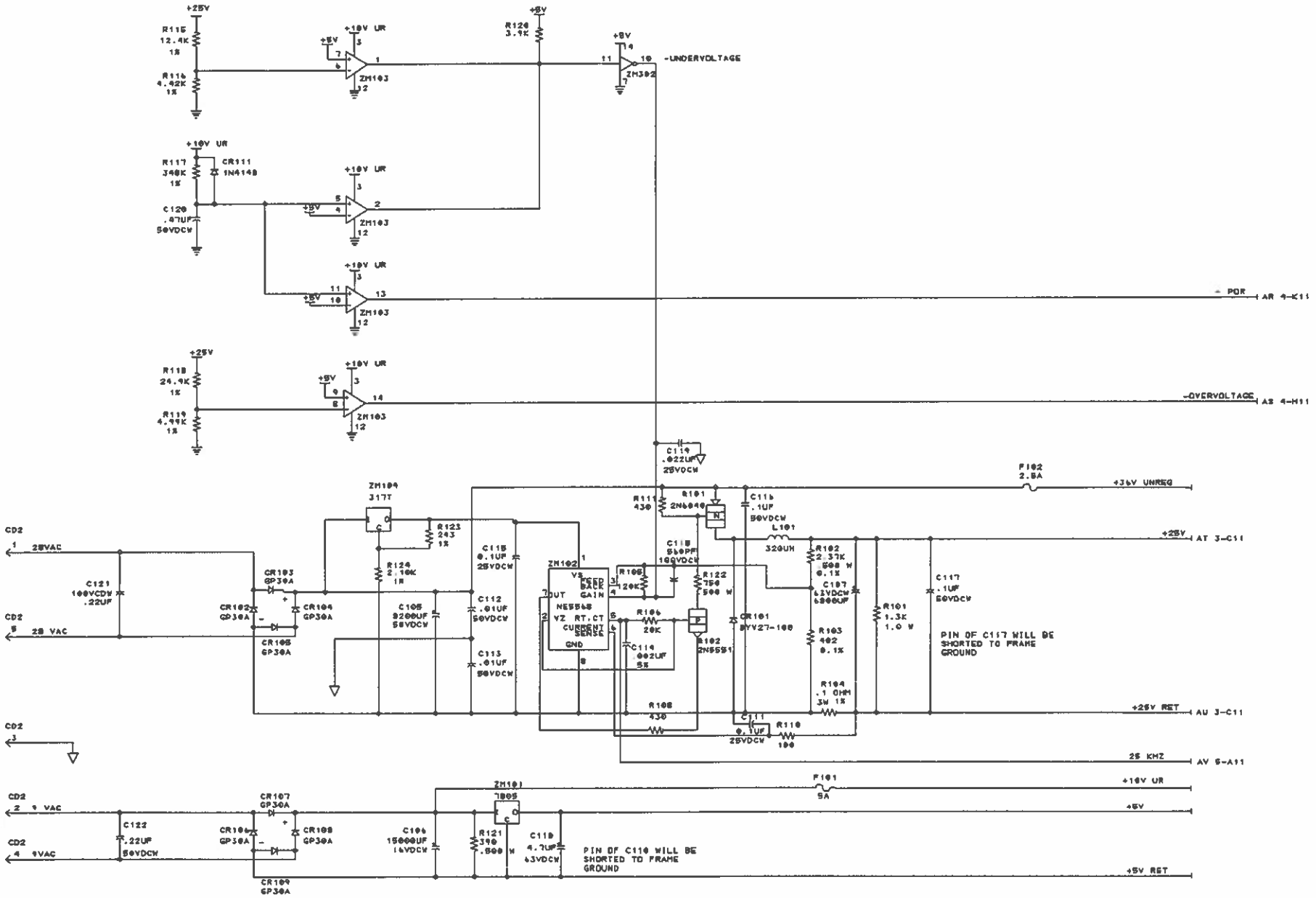
Print Drivers

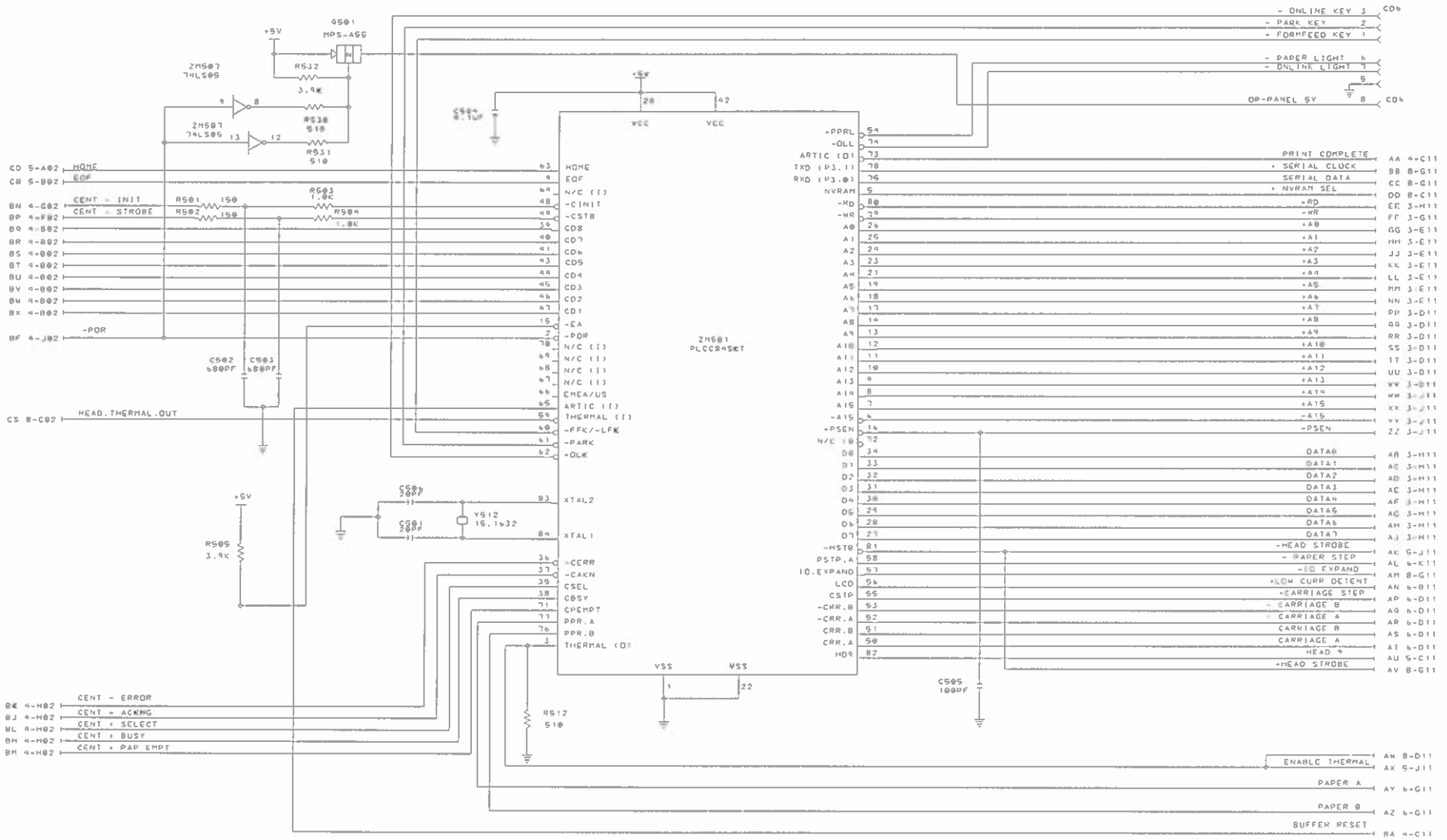


Motor Drivers

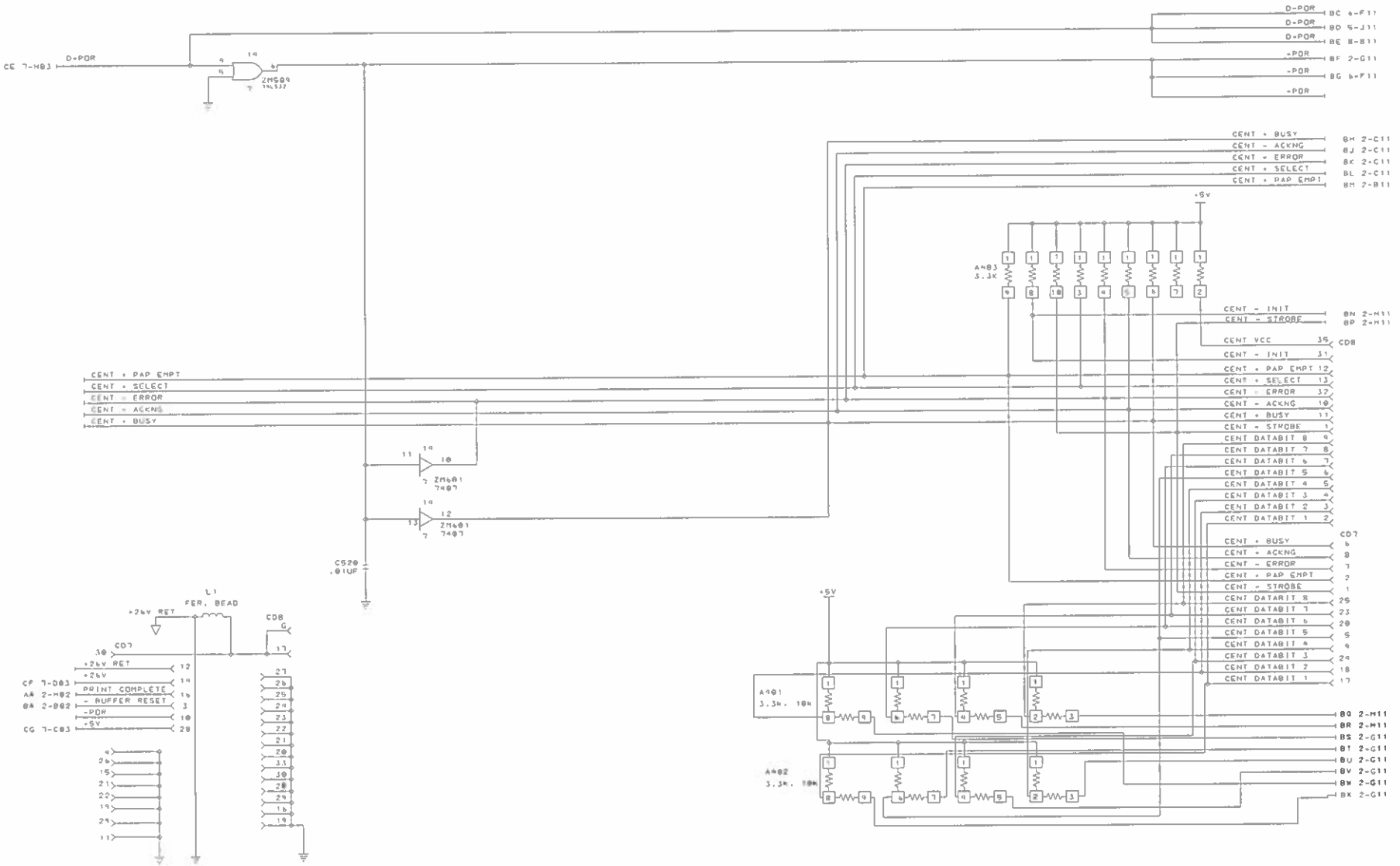


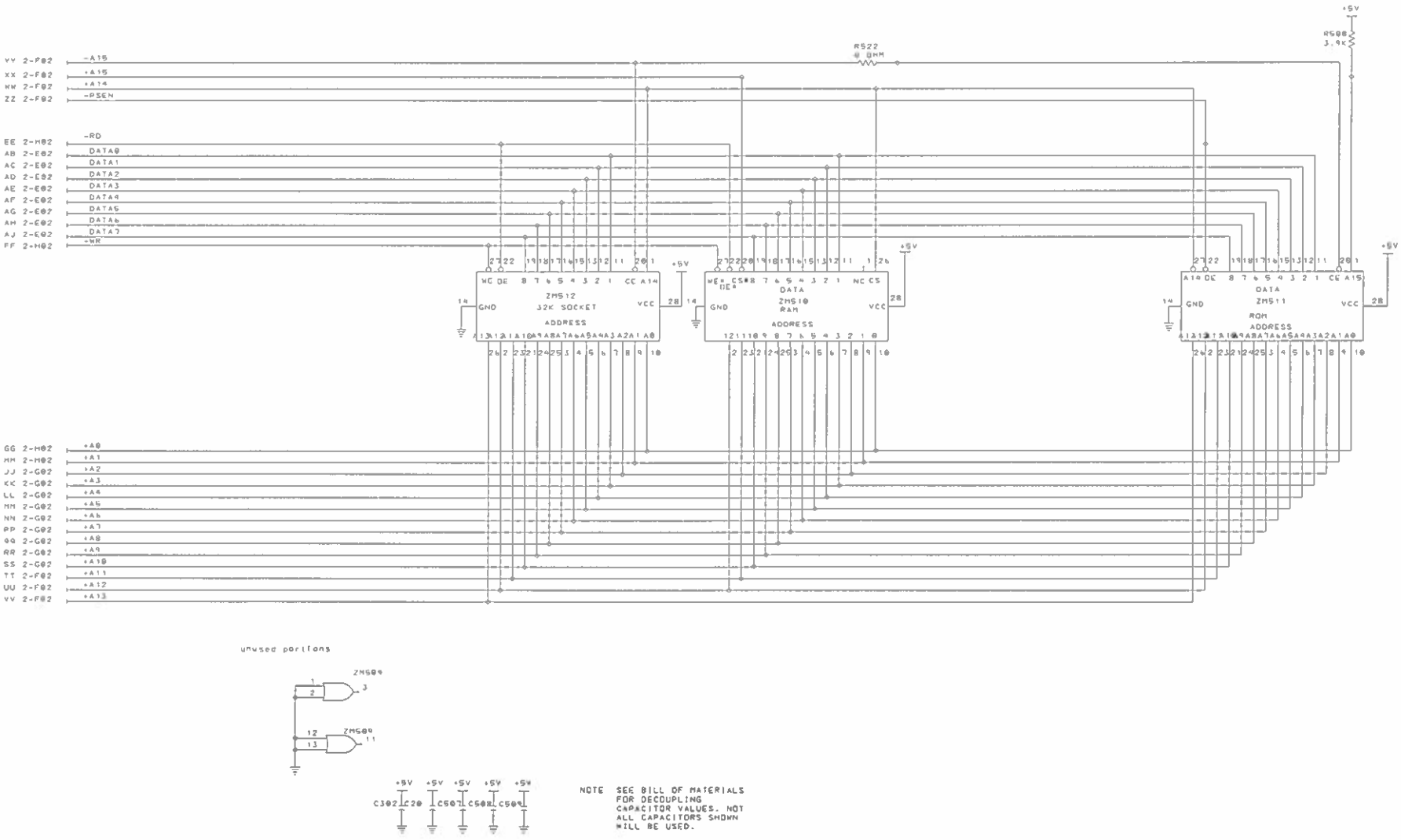
Power Supply



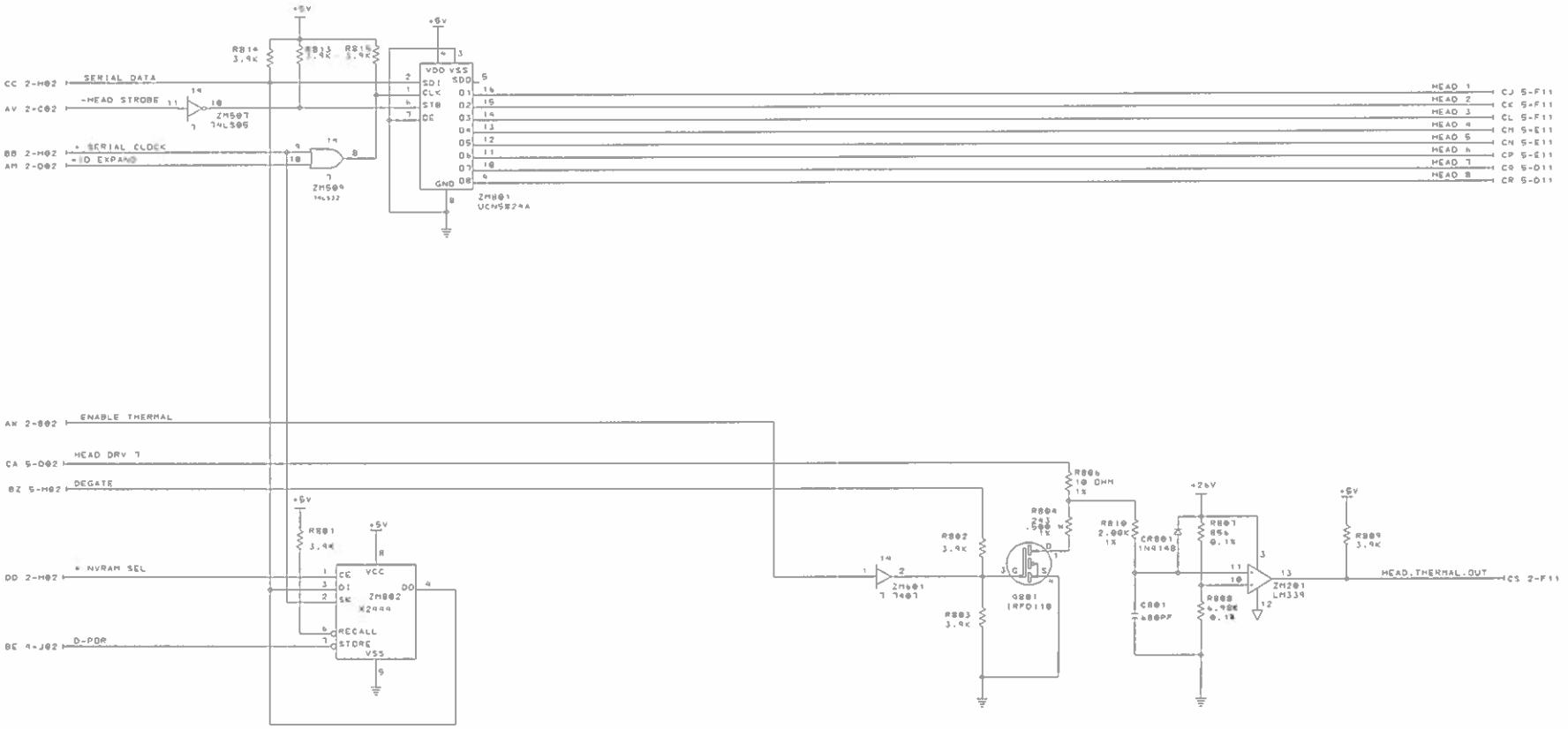

Q501
MPS-A56
+5V
R532
3.9K
ZM507
74LS05
R530
510
R531
510
C504
0.1uF
ZM501
PLCC84SET
VCC
VSS
HOME
EOF
-CINIT
-CSTB
CD8
CD7
CD6
CD5
CD4
CD3
CD2
CD1
-EA
-PDR
EMEA/US
ARTIC (I)
THERMAL (I)
-FFK/-LFK
-PARK
+OLK
XTAL2
XTAL1
+CERR
-CAKN
CSEL
CBSY
CPEMPT
PPR.A
PPR.B
THERMAL (O)
-PPRL
-OLL
ARTIC (O)
TXD (P3.1)
RXD (P3.0)
NVRAM
-RD
-WR
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
-A15
+PSEN
D0
D1
D2
D3
D4
D5
D6
D7
-MSTB
PSTP.A
10.EXPAND
LCD
CSTP
-CRR.B
-CRR.A
CRR.B
CRR.A
HD9
R501 150
R502 150
R503 1.8K
R504 1.8K
C502 680PF
C503 680PF
C501 20PF
C506 20PF
Y512 15.1632
R505 3.9K
R512 510
C505 100PF
CD5 5-A02 HOME
CB 5-B02 EOF
BN 4-G02 CENT - INIT
BP 4-F02 CENT - STROBE
BQ 4-B02
BR 4-B02
BS 4-B02
BT 4-B02
BU 4-B02
BV 4-B02
BW 4-B02
BX 4-B02
BF 4-J02 -POR
CS B-C02 HEAD.THERMAL.OUT
BK 4-H02 CENT - ERROR
BJ 4-H02 CENT - ACKNG
BL 4-H02 CENT + SELECT
BH 4-H02 CENT + BUSY
BM 4-H02 CENT + PAP EMPT
- ONLINE KEY 3
- PARK KEY 2
- FORMFEED KEY 1
- PAPER LIGHT 6
- ONLINE LIGHT 4
5
OP-PANEL 5V 8
PRINT COMPLETE AA 4-C11
+ SERIAL CLOCK BB 8-G11
SERIAL DATA CC 8-G11
+ NVRAM SEL DD 8-C11
+RD EE 3-H11
-WR FF 3-G11
+A0 GG 3-E11
+A1 HH 3-E11
+A2 JJ 3-E11
+A3 KK 3-E11
+A4 LL 3-E11
+A5 MM 3-E11
+A6 NN 3-E11
+A7 PP 3-D11
+A8 QQ 3-D11
+A9 RR 3-D11
+A10 SS 3-D11
+A11 TT 3-D11
+A12 UU 3-D11
+A13 VV 3-D11
+A14 WW 3-D11
+A15 XX 3-D11
-A15 YY 3-D11
-PSEN ZZ 3-D11
DATA0 AA 3-H11
DATA1 AC 3-H11
DATA2 AD 3-H11
DATA3 AE 3-H11
DATA4 AF 3-H11
DATA5 AG 3-H11
DATA6 AH 3-H11
DATA7 AJ 3-H11
-HEAD STROBE AK 5-J11
- PAPER STEP AL 6-K11
-10 EXPAND AM 8-G11
+LOW CURR DETENT AN 6-B11
+CARRIAGE STEP AP 6-D11
- CARRIAGE B AQ 6-D11
- CARRIAGE A AR 6-D11
CARRIAGE B AS 6-D11
CARRIAGE A AT 6-D11
HEAD 9 AU 5-C11
+HEAD STROBE AV 8-G11
ENABLE THERMAL AW 8-D11
AX 5-J11
PAPER A AY 6-G11
PAPER B AZ 6-G11
BUFFER RESET BA 4-C11

Parallel Interface



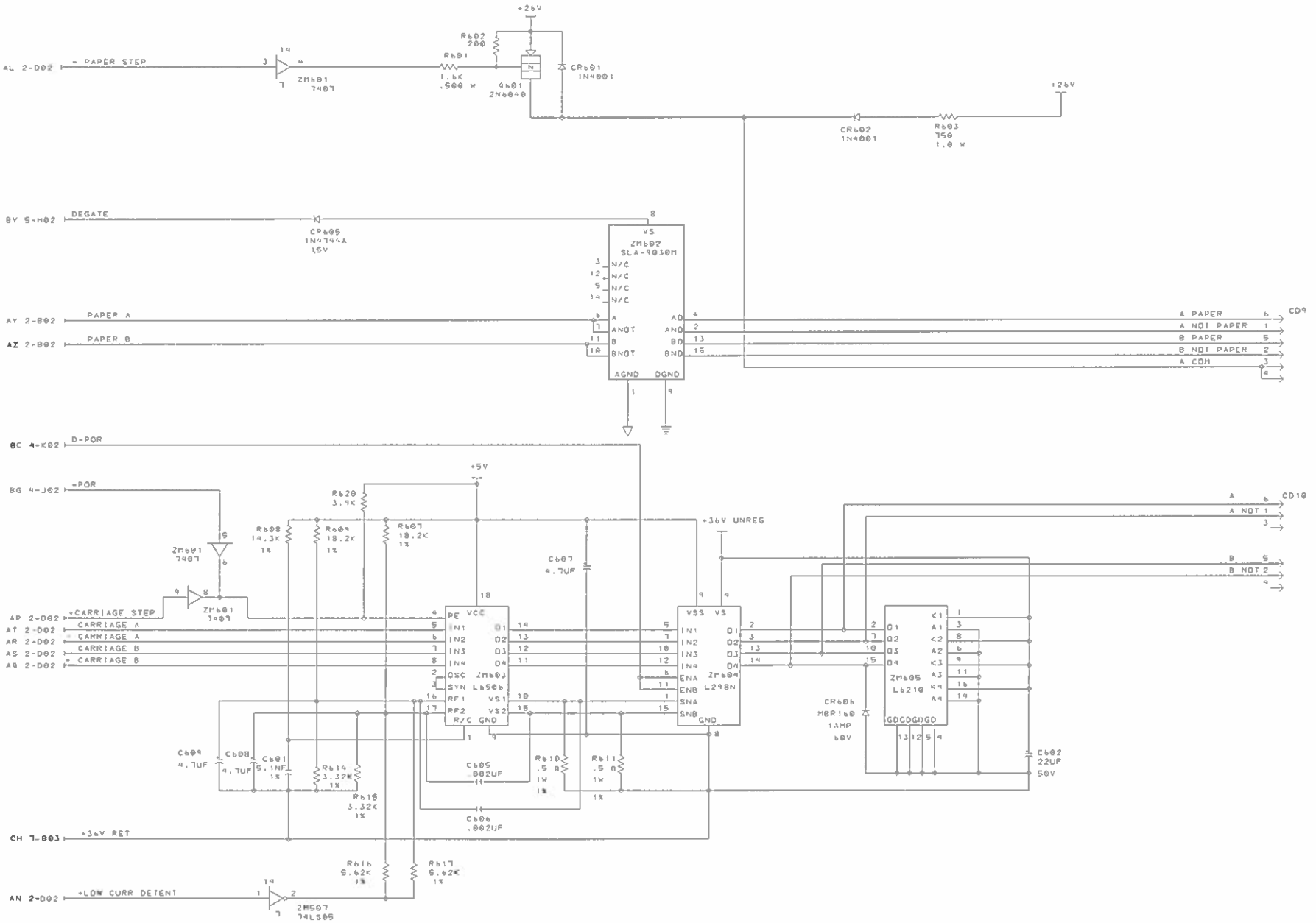

-A15
+A15
+A14
-PSEN
-RD
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
-WR
+A0
+A1
+A2
+A3
+A4
+A5
+A6
+A7
+A8
+A9
+A10
+A11
+A12
+A13
R522
0 OHM
R508
3.9K
+5V
ZMS12
32K SOCKET
ADDRESS
DATA
ZMS10
RAM
ADDRESS
ZMS11
ROM
ADDRESS
GND
VCC
unused portions
ZMS09
ZMS08
C302
C20
C507
C508
C509
C510
NOTE SEE BILL OF MATERIALS FOR DECOUPLING CAPACITOR VALUES. NOT ALL CAPACITORS SHOWN WILL BE USED.

Print Driver (Part 2)

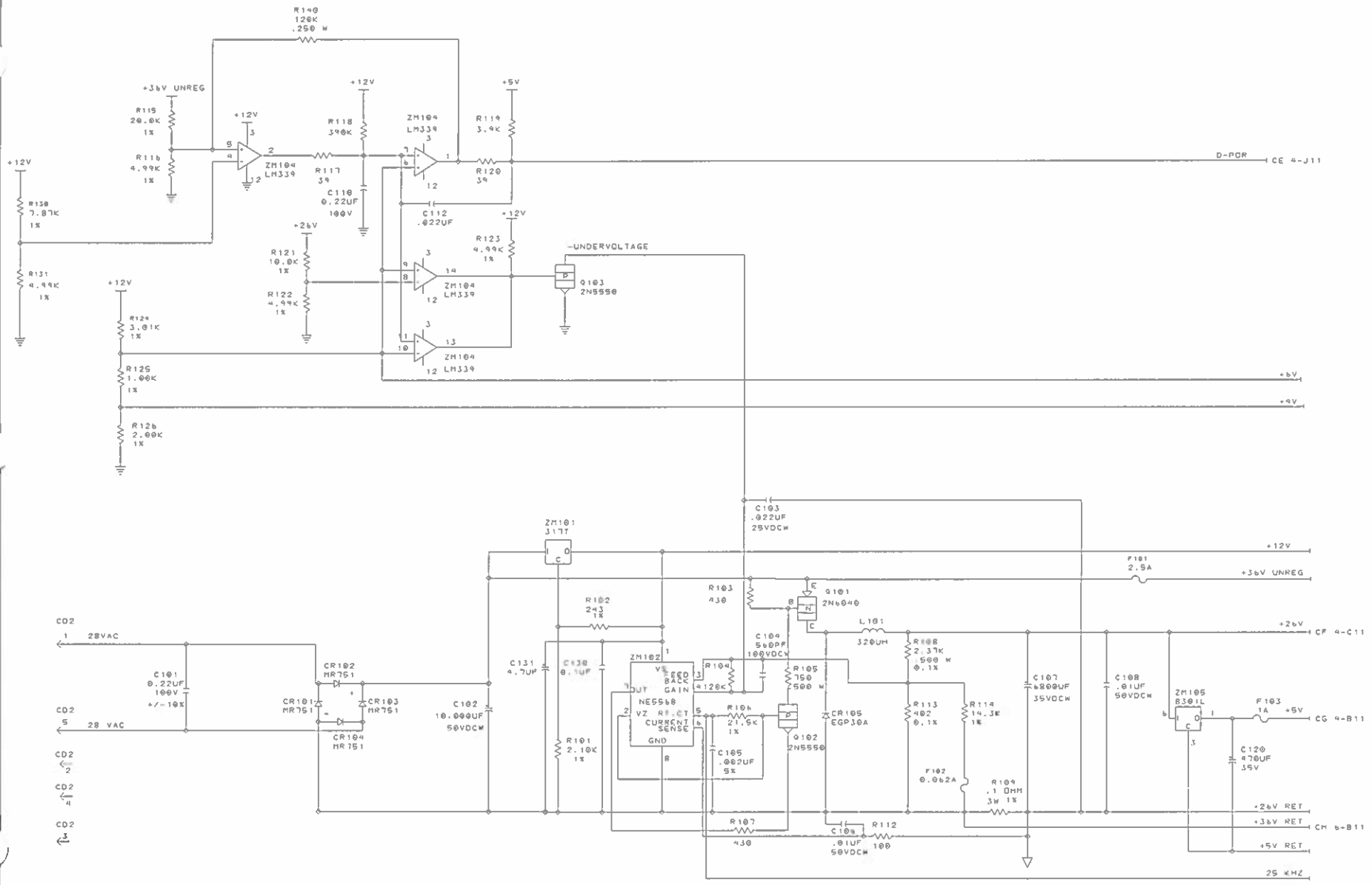


Print Driver (Part 2)

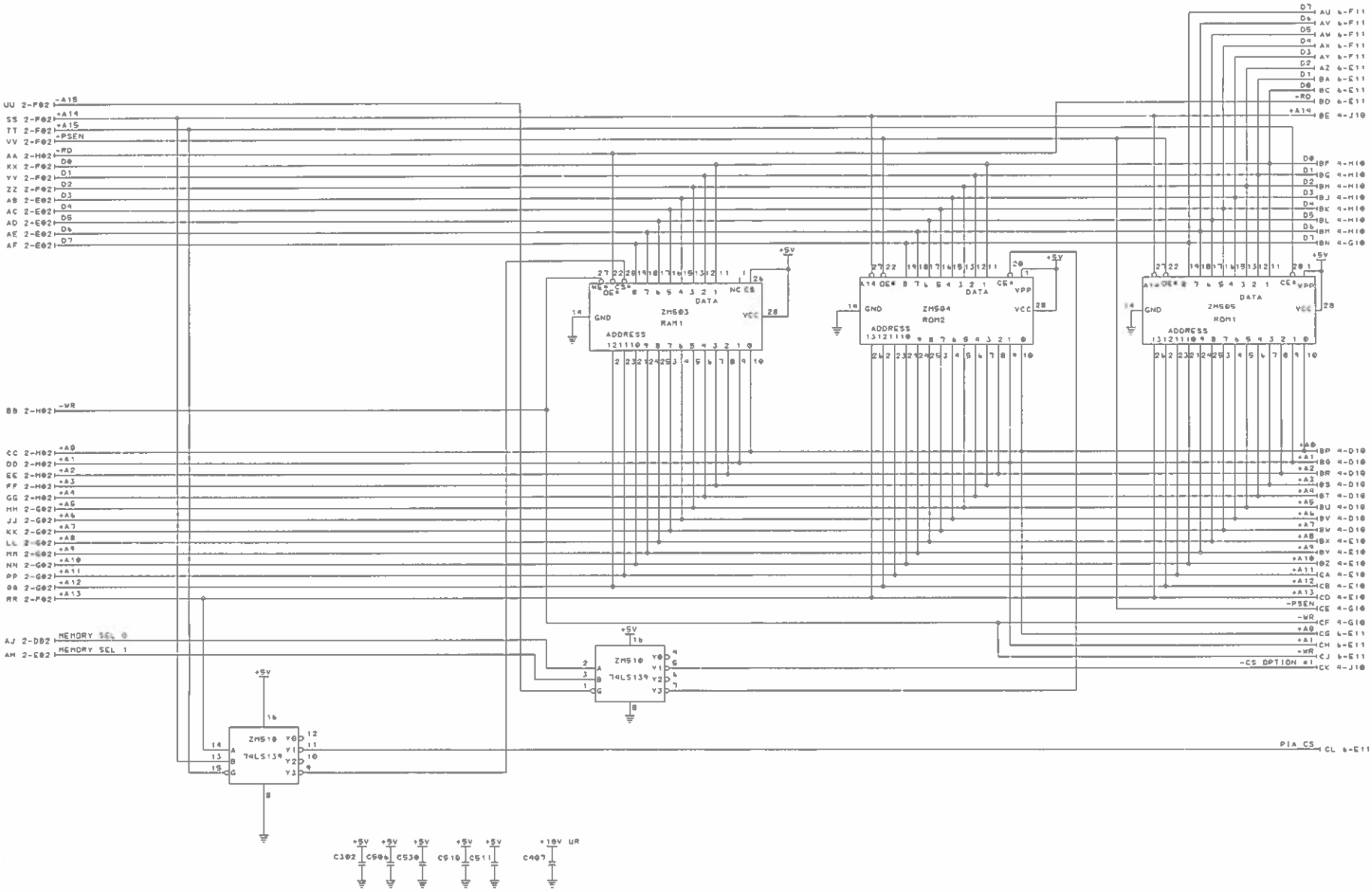
Motor Drivers



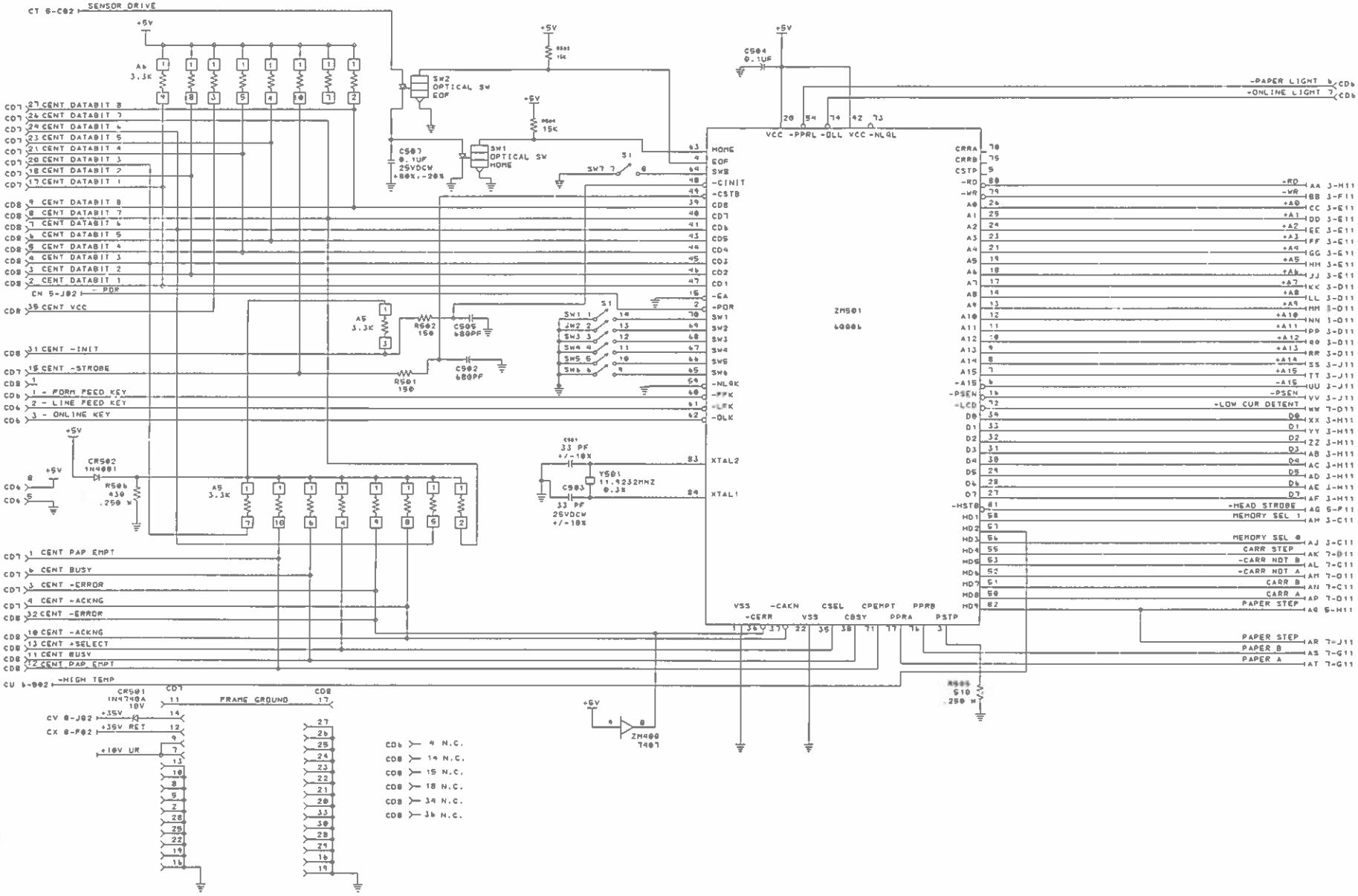
Power Supply



Memory (All Versions)

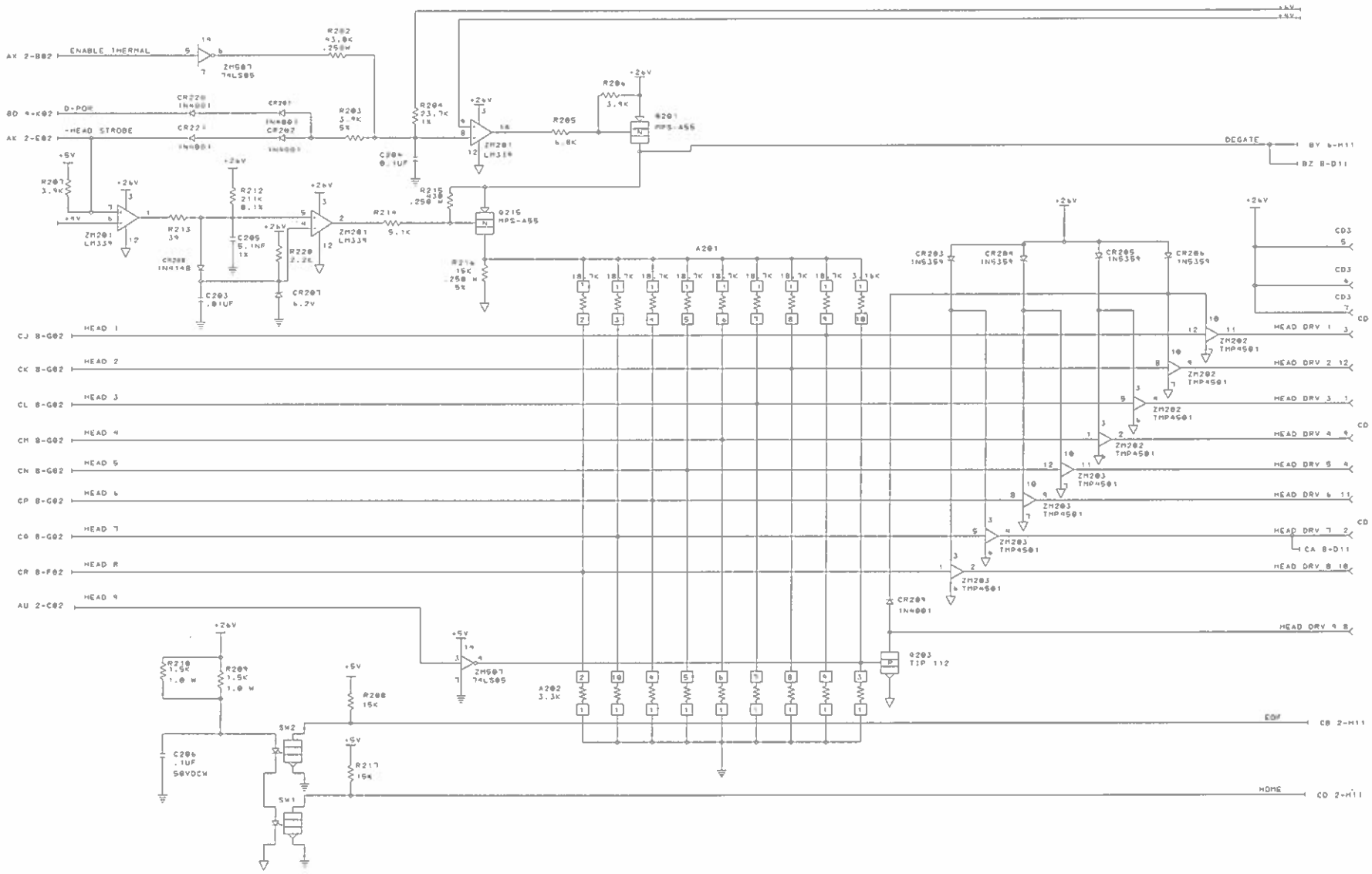


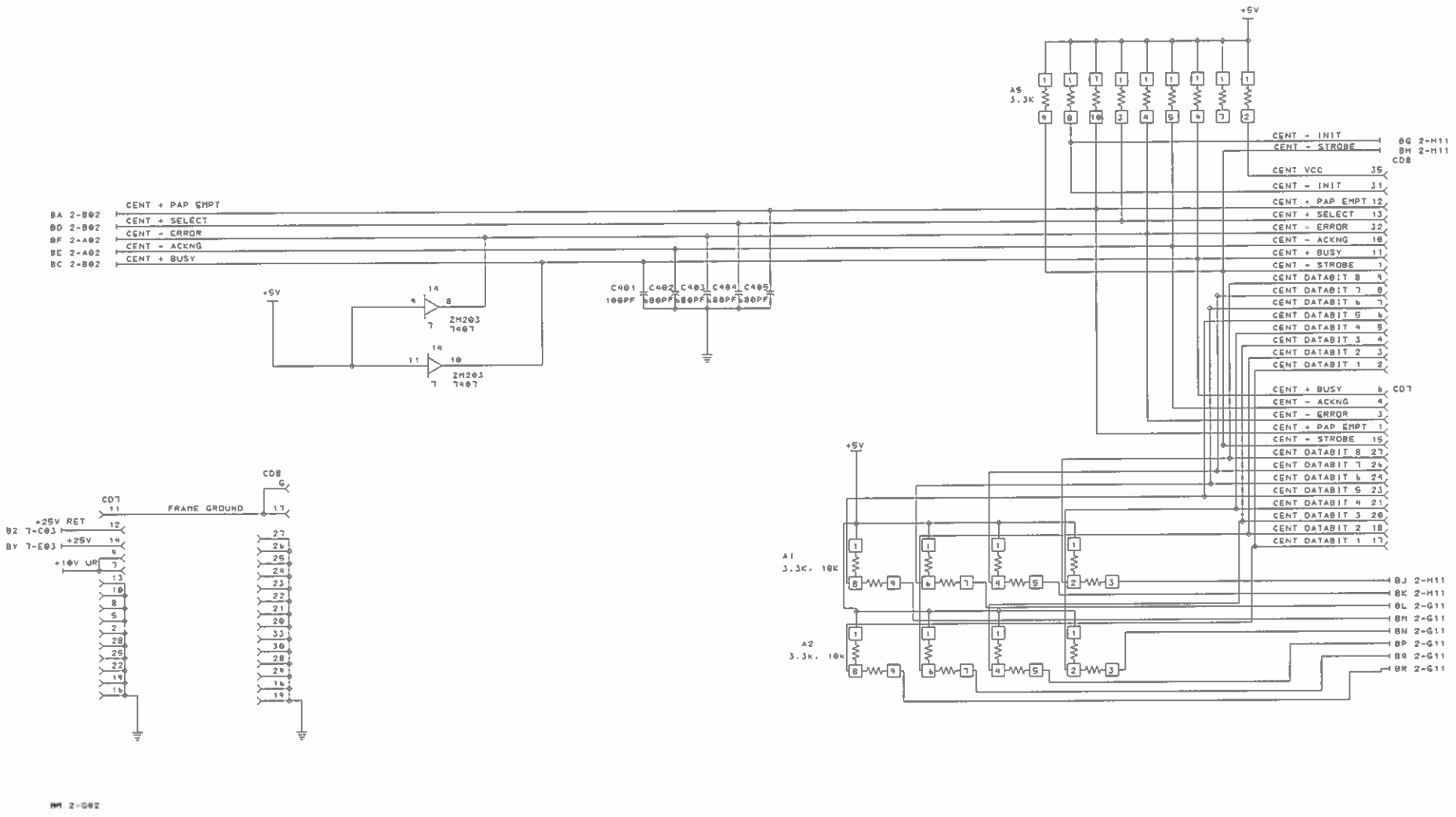
Microprocessor and Parallel Interface (Versions 1 and 2)



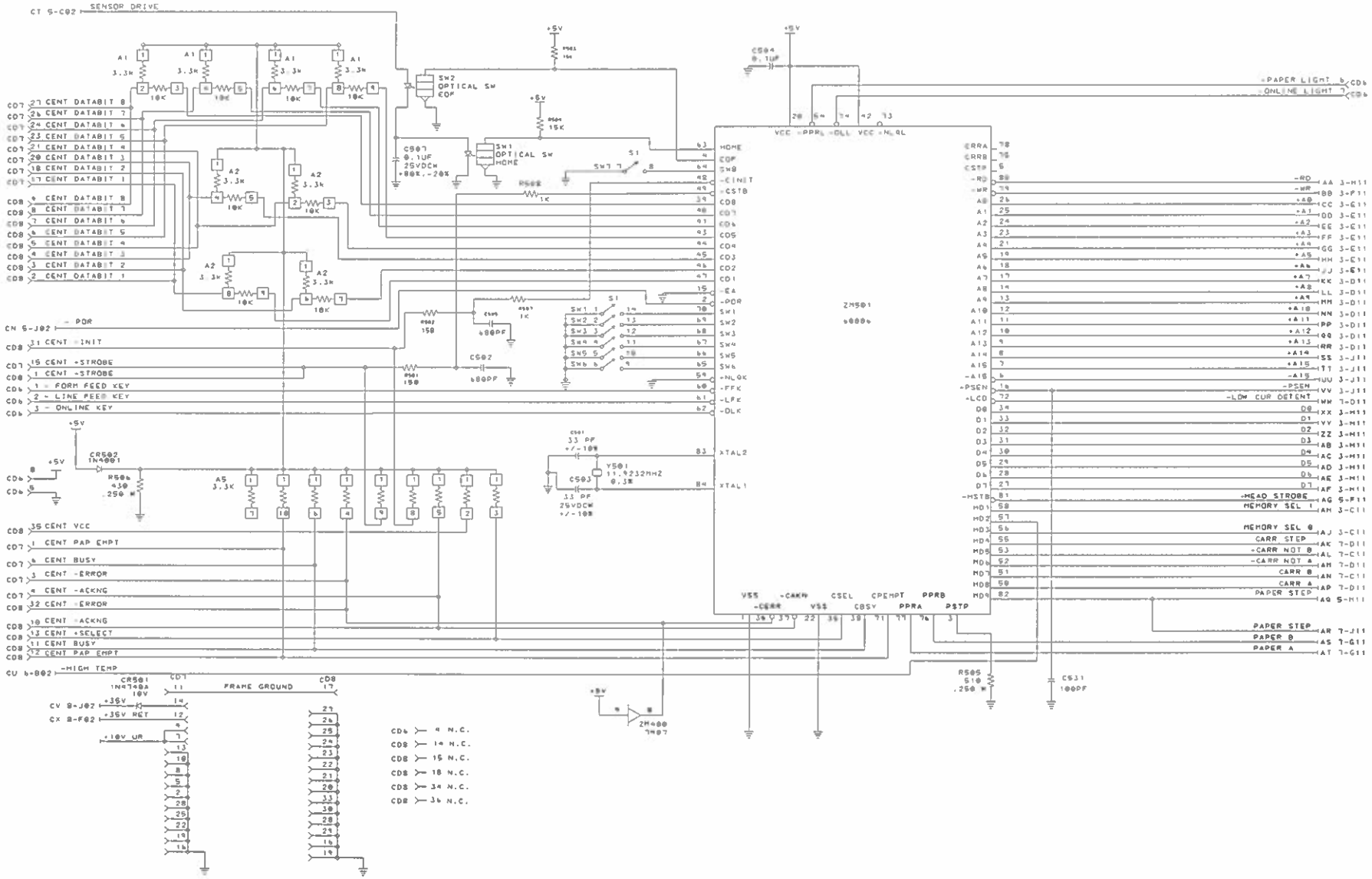
Microprocessor and Parallel Interface (Versions 1 and 2)

Print Driver (Part 1)

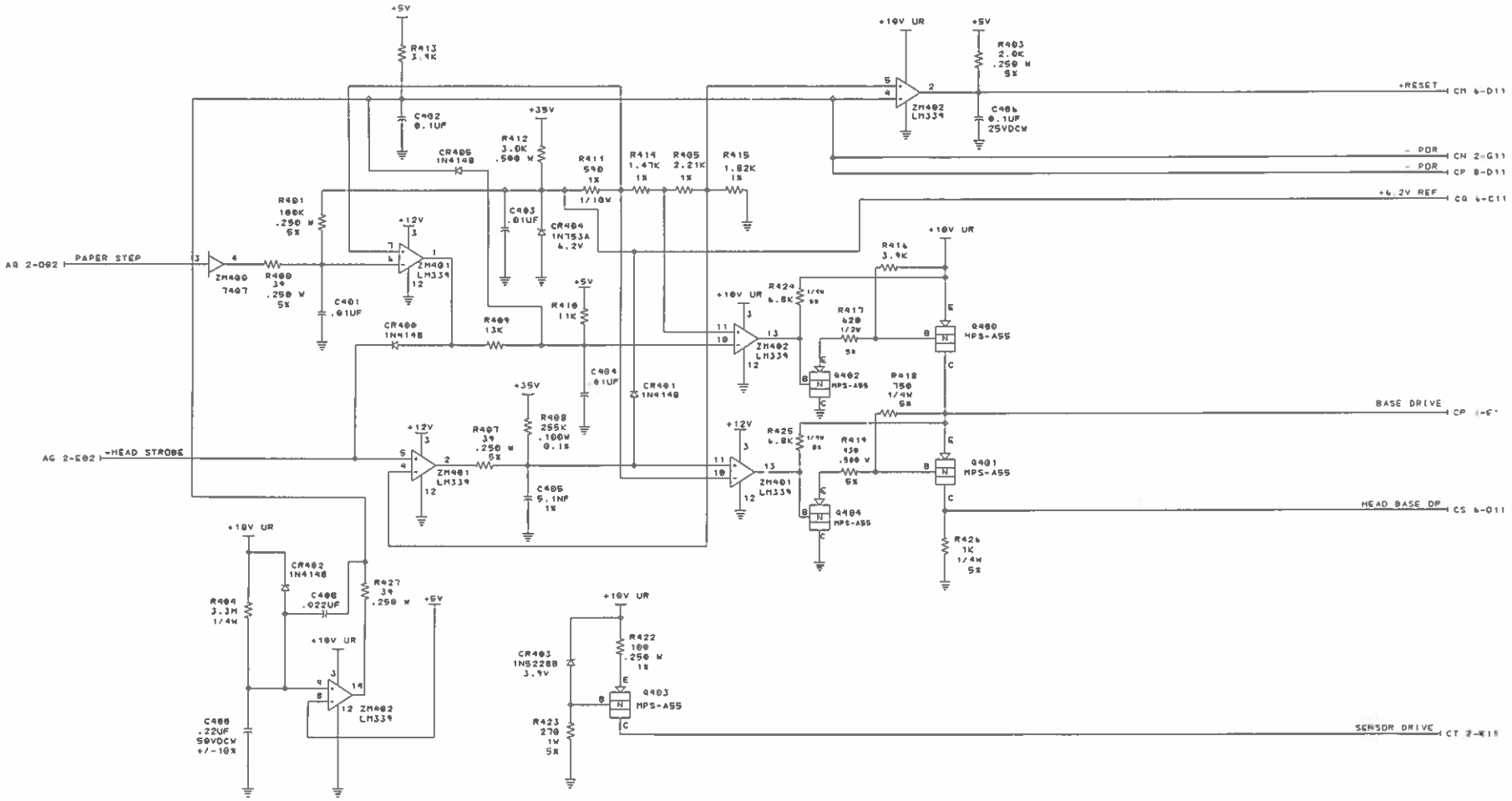



+5V
A5
3.3K
CENT - INIT
CENT - STROBE
8G 2-M11
8M 2-M11
CD8
CENT VCC 35
CENT - INIT 31
CENT + PAP EMPT 12
CENT + SELECT 13
CENT - ERROR 32
CENT - ACKNG 10
CENT + BUSY 11
CENT - STROBE 1
CENT DATABIT 8 9
CENT DATABIT 7 8
CENT DATABIT 6 7
CENT DATABIT 5 6
CENT DATABIT 4 5
CENT DATABIT 3 4
CENT DATABIT 2 3
CENT DATABIT 1 2
CD7
CENT + BUSY 6
CENT - ACKNG 4
CENT - ERROR 3
CENT + PAP EMPT 1
CENT - STROBE 15
CENT DATABIT 8 27
CENT DATABIT 7 26
CENT DATABIT 6 24
CENT DATABIT 5 23
CENT DATABIT 4 21
CENT DATABIT 3 20
CENT DATABIT 2 18
CENT DATABIT 1 17
8A 2-B02
8D 2-B02
8F 2-A02
8E 2-A02
8C 2-B02
CENT + PAP EMPT
CENT + SELECT
CENT - ERROR
CENT - ACKNG
CENT + BUSY
+5V
ZM203
7407
C401 100PF
C402 .68PF
C403 .68PF
C404 .68PF
C405 .68PF
A1
3.3K, 10K
A2
3.3K, 10K
8J 2-M11
8K 2-M11
8L 2-G11
8M 2-G11
8N 2-G11
8P 2-G11
8Q 2-G11
8R 2-G11
CD7
CD8
FRAME GROUND
+25V RET
+25V
+10V UR
8Z 7-C03
8Y 7-E03
MM 2-G02

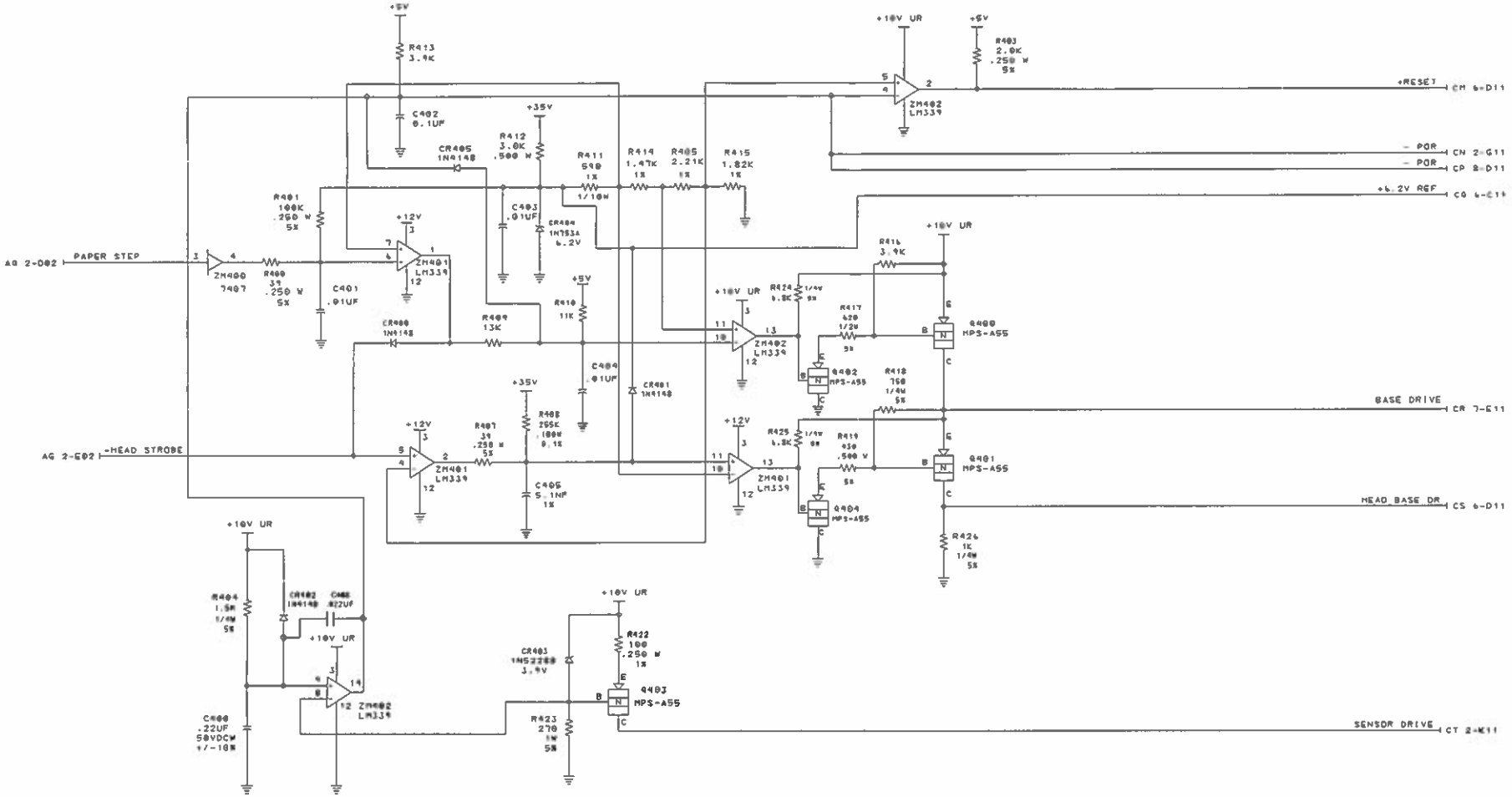
Microprocessor and Parallel Interface (Version 3)



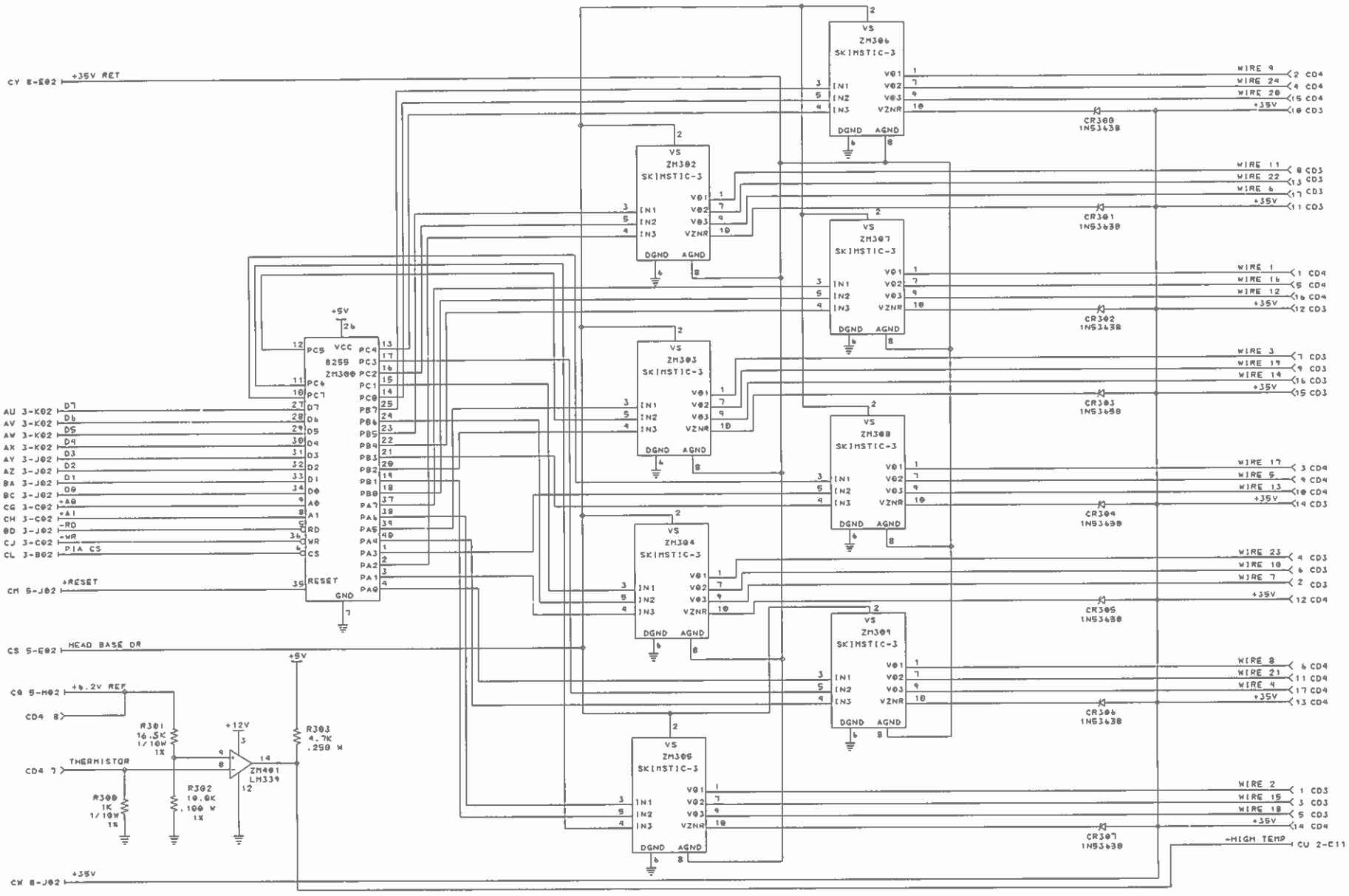
Analog Timing (Version 3)



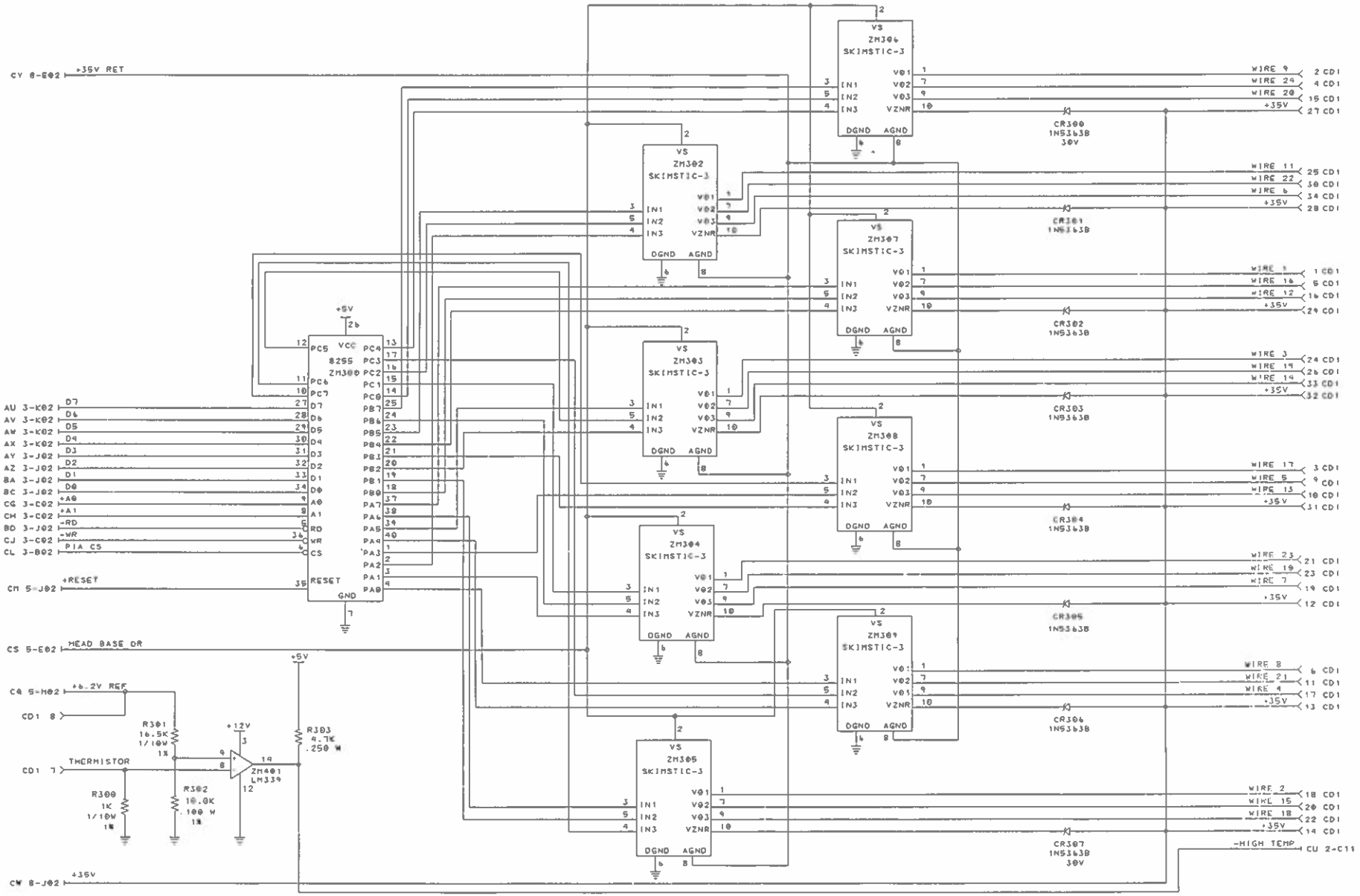
Analog Timing (Version 1 and 2)



Print Drivers and Card-Cable Connector (Version 1)

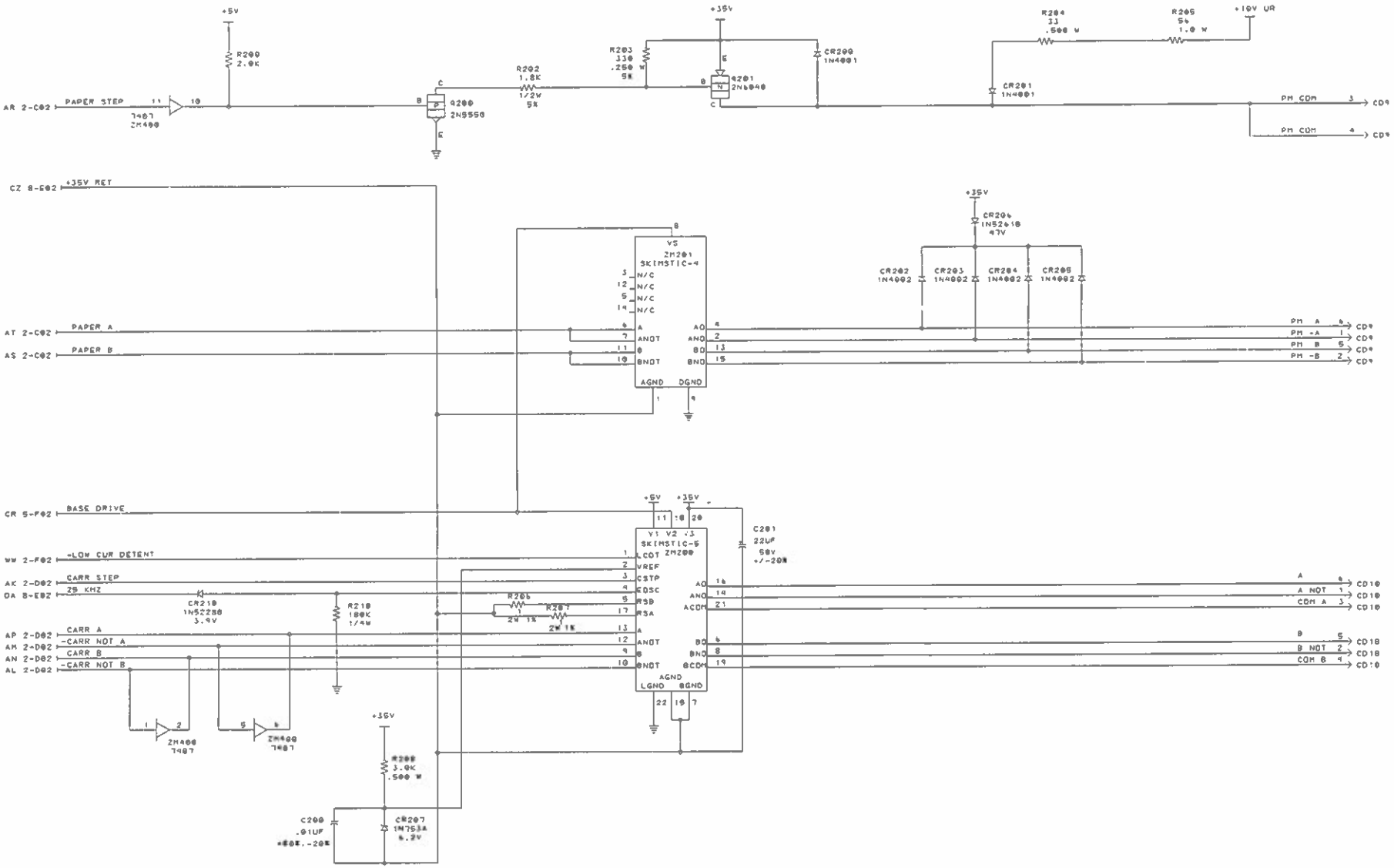


Print Drivers and Card-Cable Connector (Versions 2 and 3)

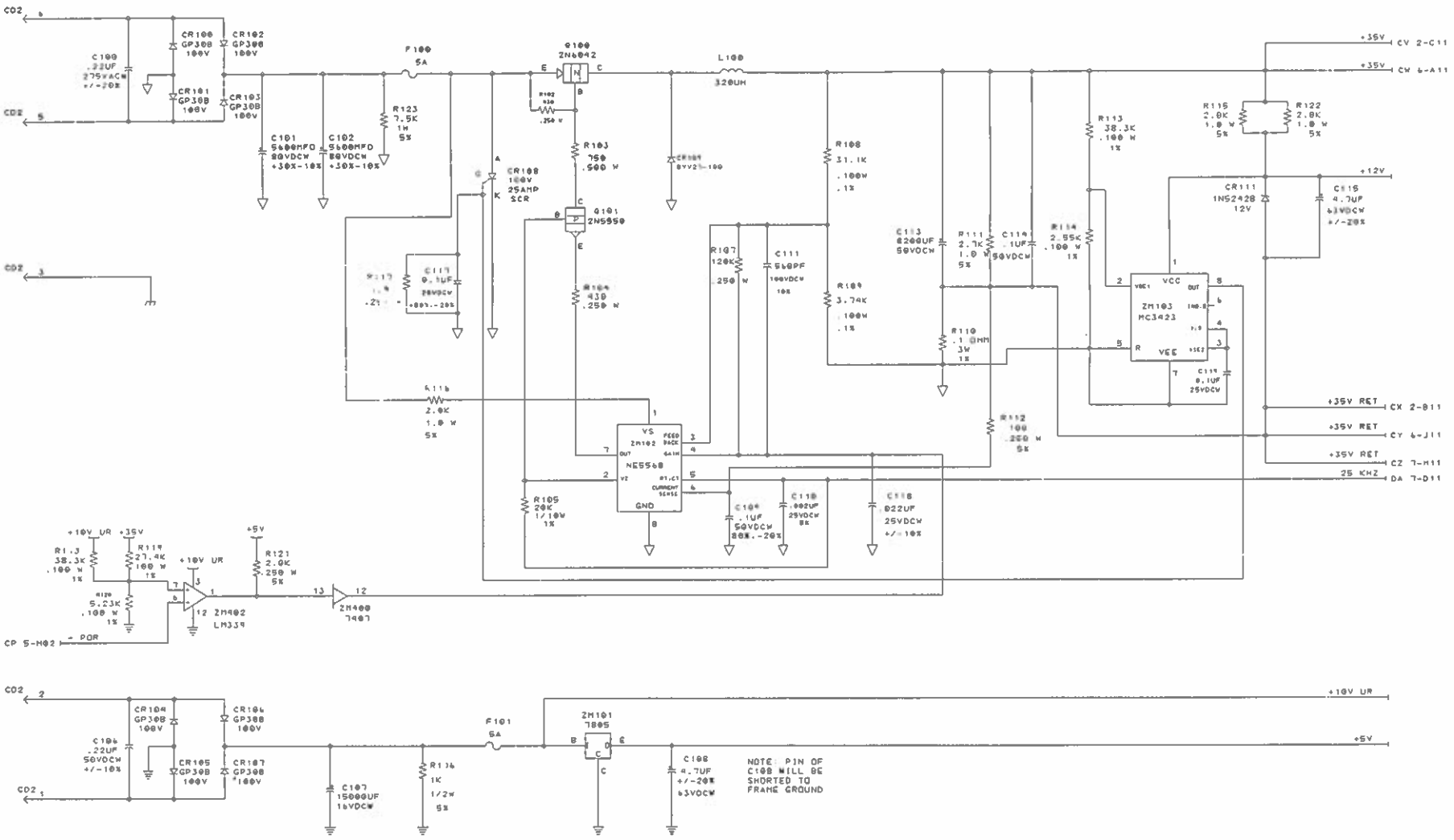


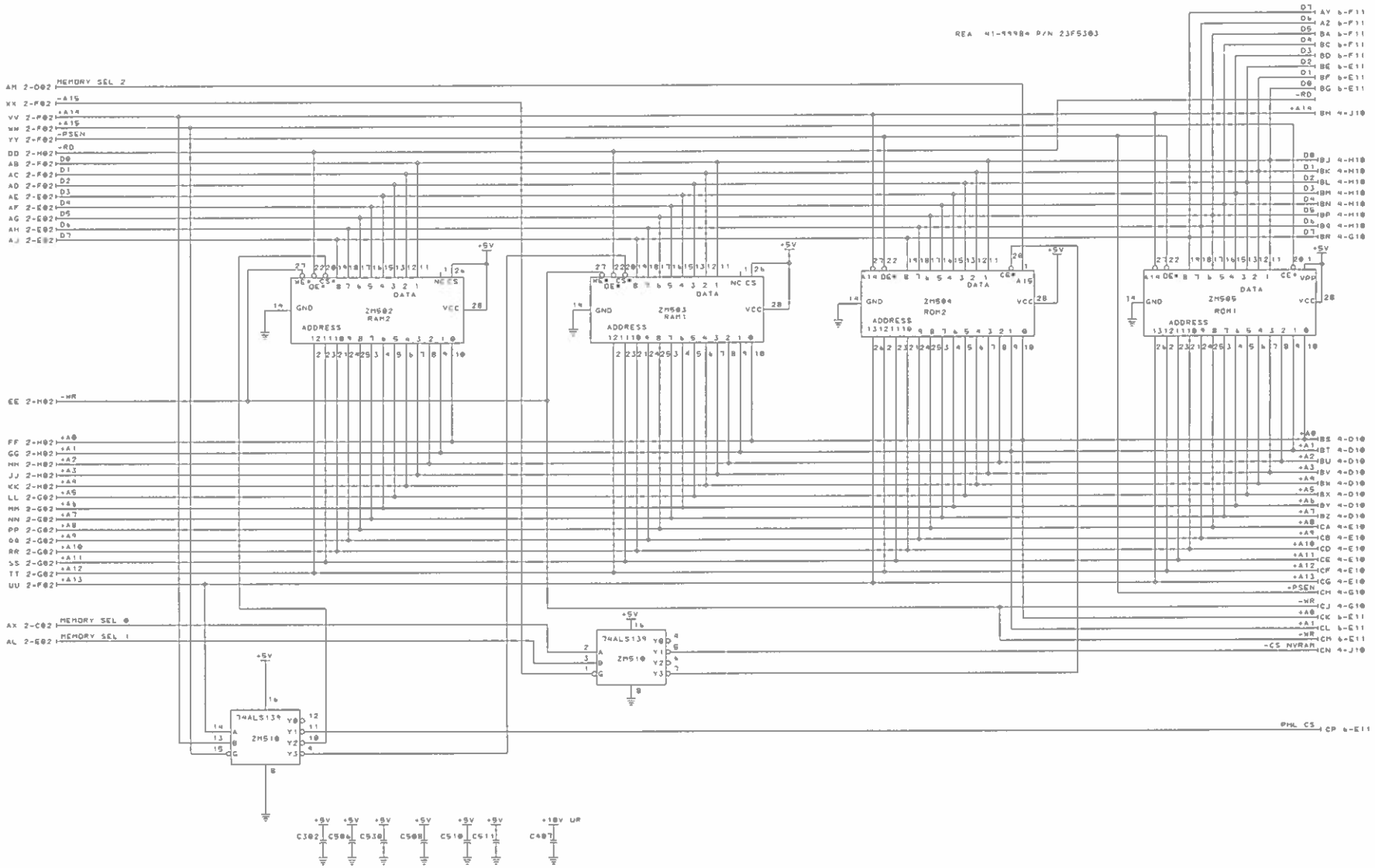
Print Drivers and Card-Cable Connector (Versions 2 and 3)

Motor Drivers (All Versions)

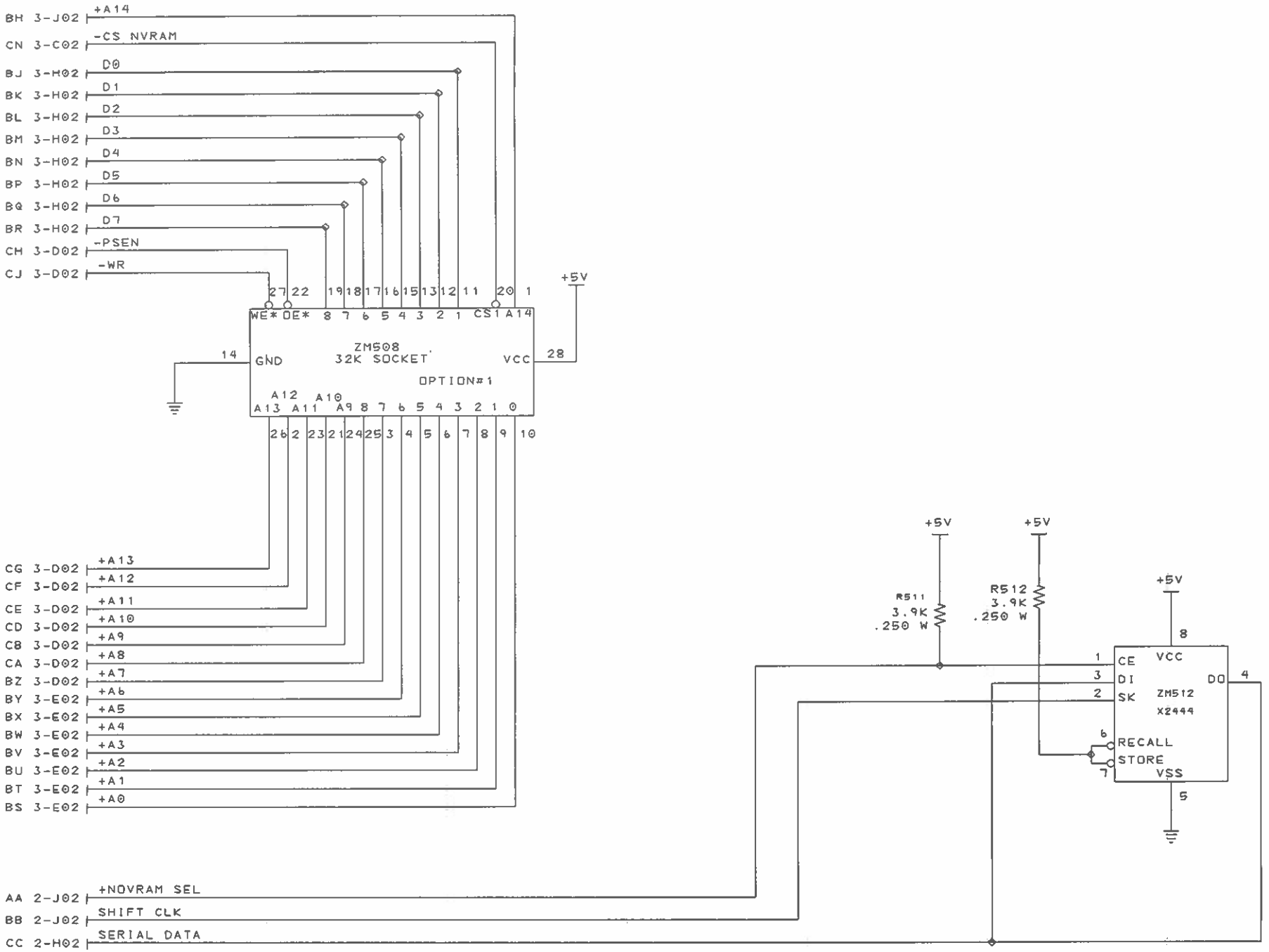


Power Supply (All Versions)

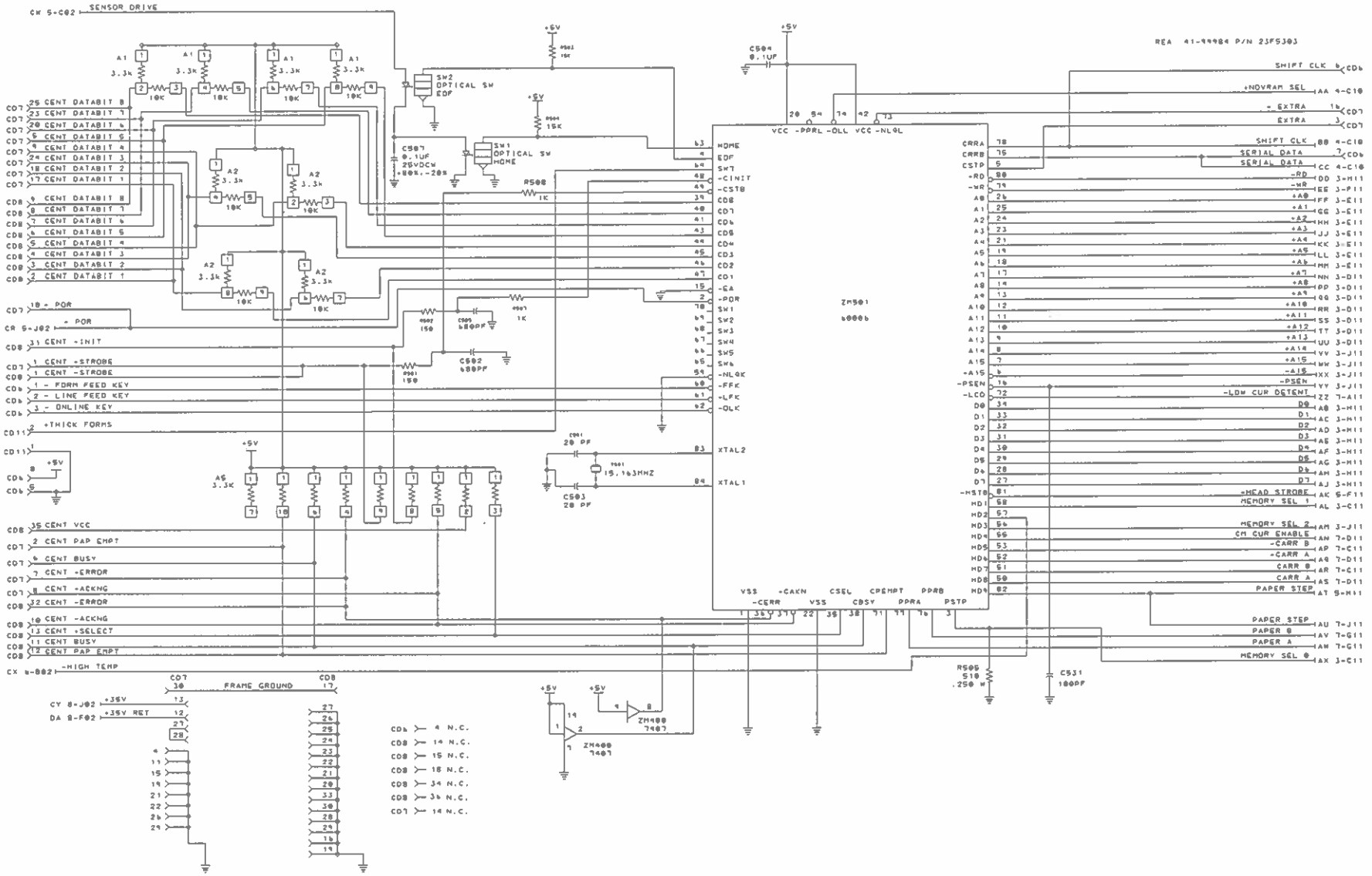


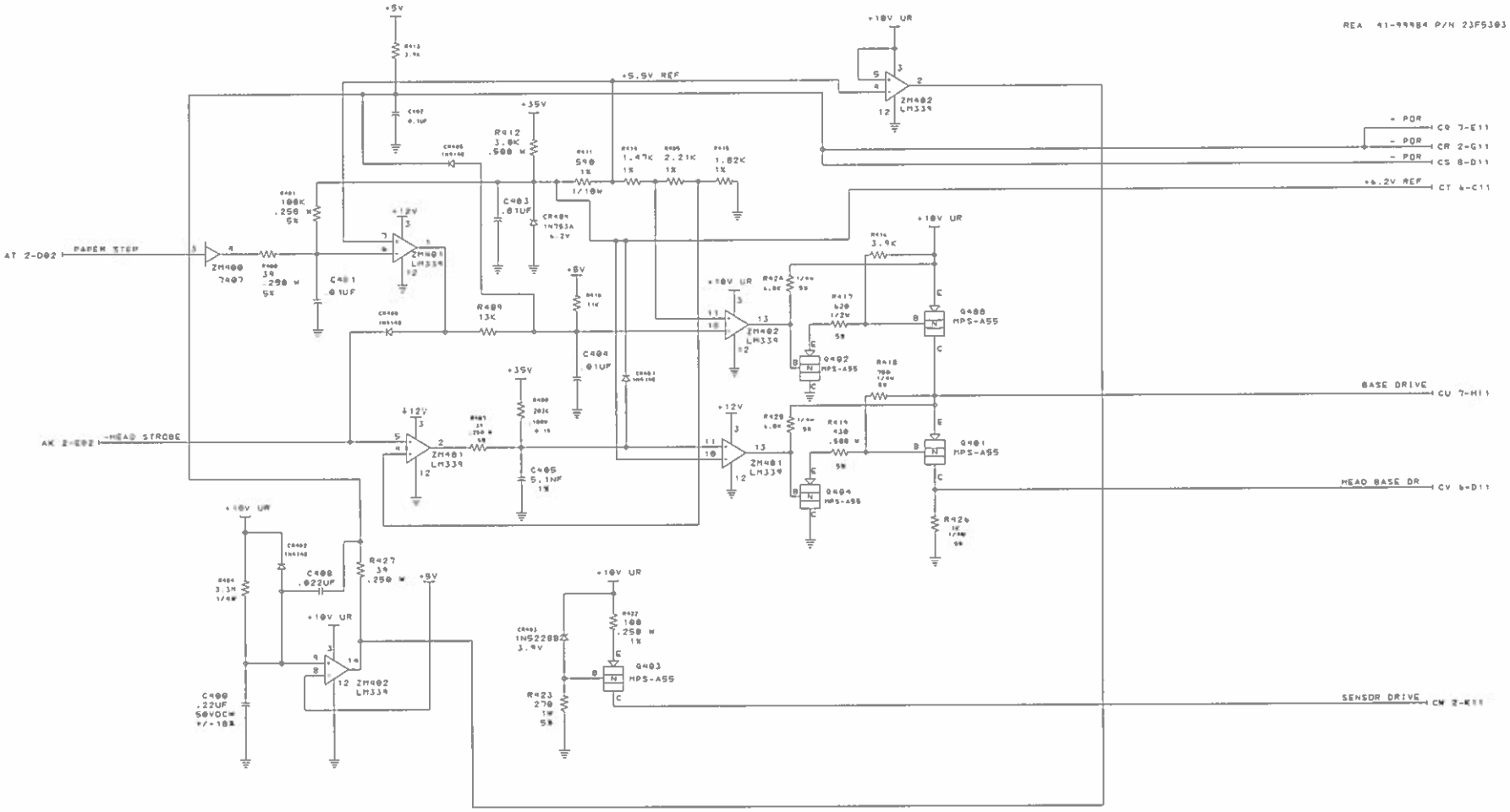

REA 41-99984 P/N 23F5303
MEMORY SEL 2
MEMORY SEL 0
MEMORY SEL 1
-WR
-RD
-PSEN
-CS NVRAM
PHL CS
+5V
+10V UP
ZM502 RAM2
ZM503 RAM1
ZM504 ROM2
ZM505 ROM1
74ALS139
ZM510
C302
C504
C530
C508
C510
C511
C407

FontSet Module and NOVRAM

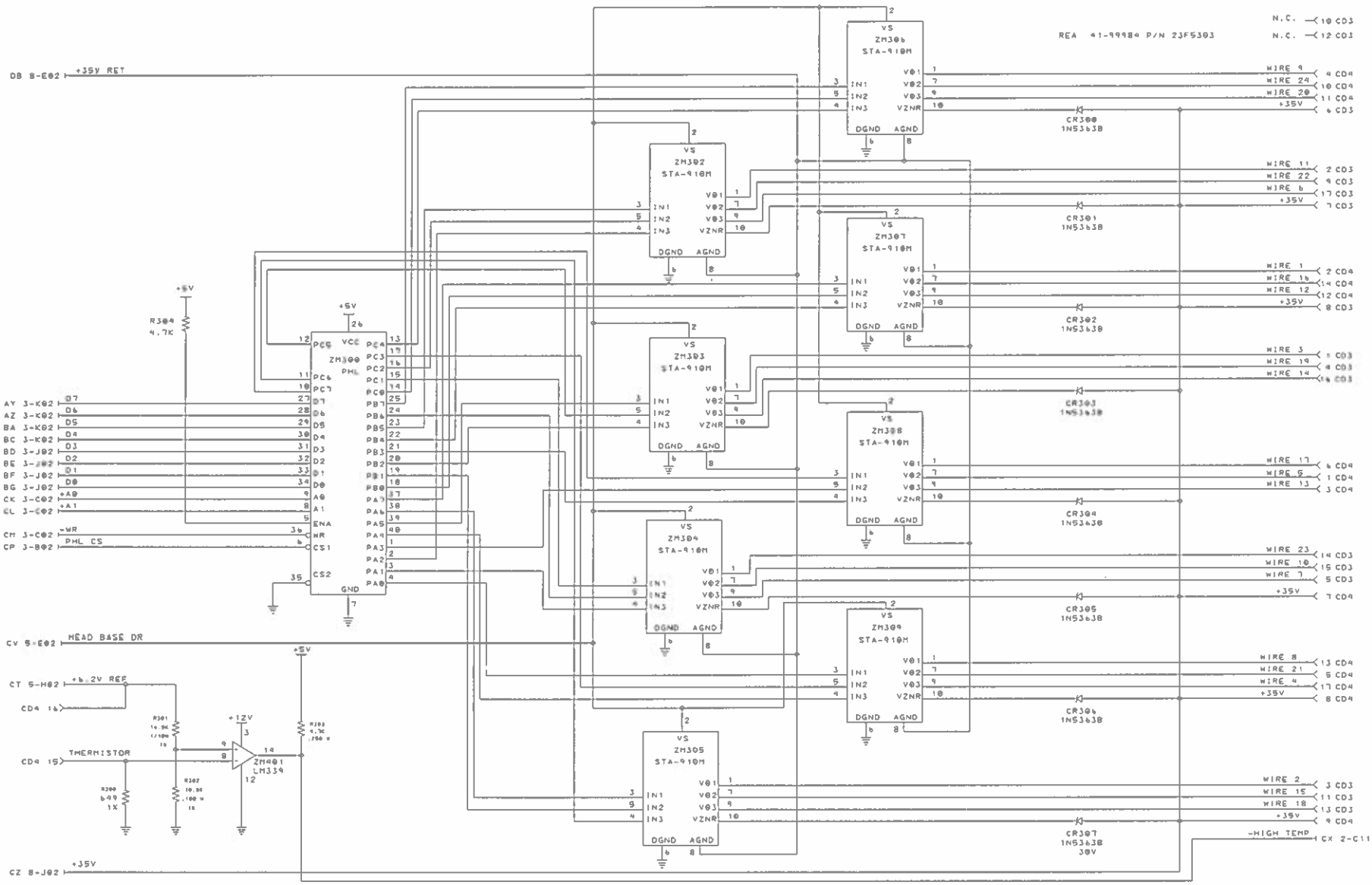


Microprocessor and Parallel Interface

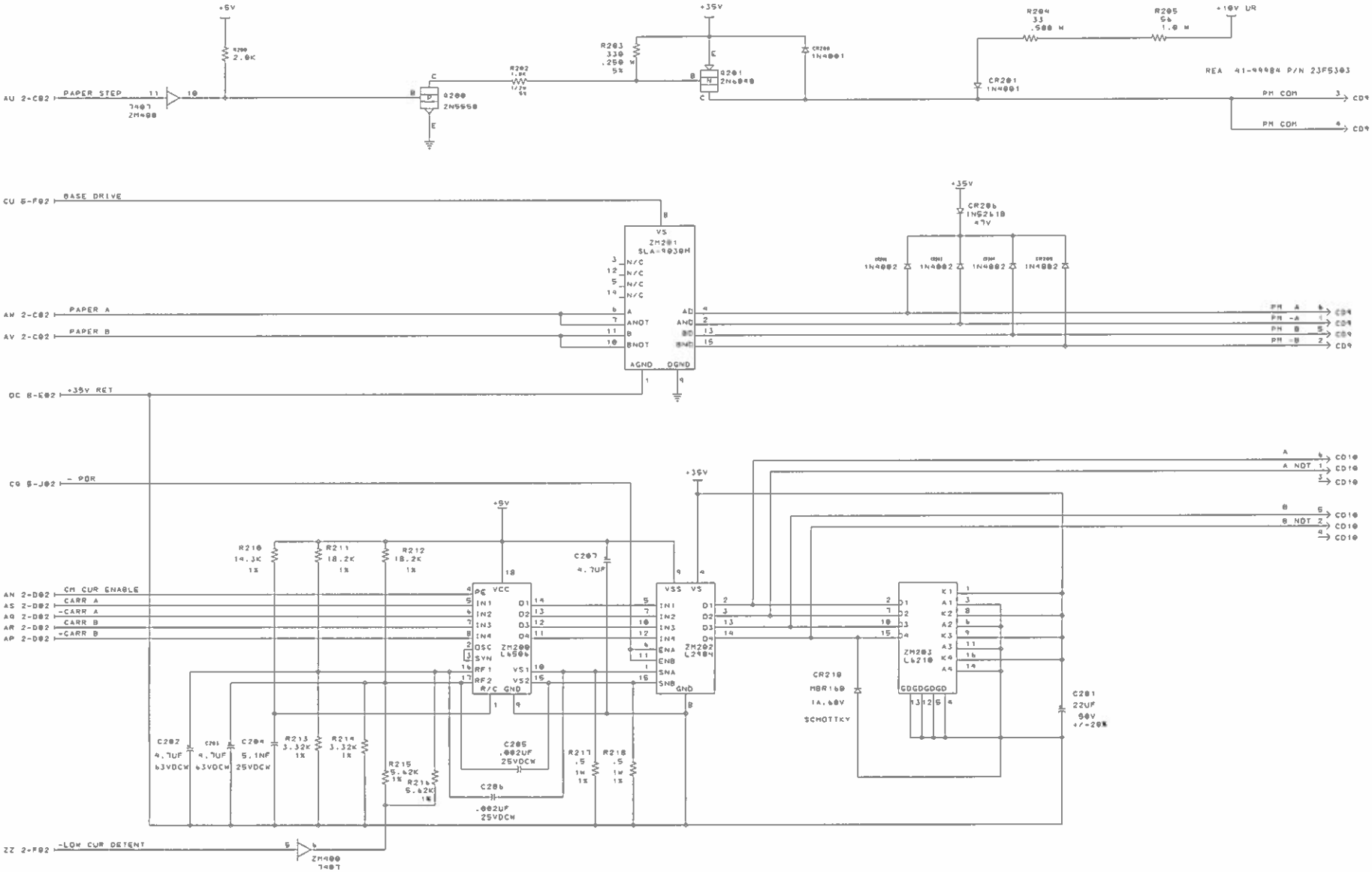


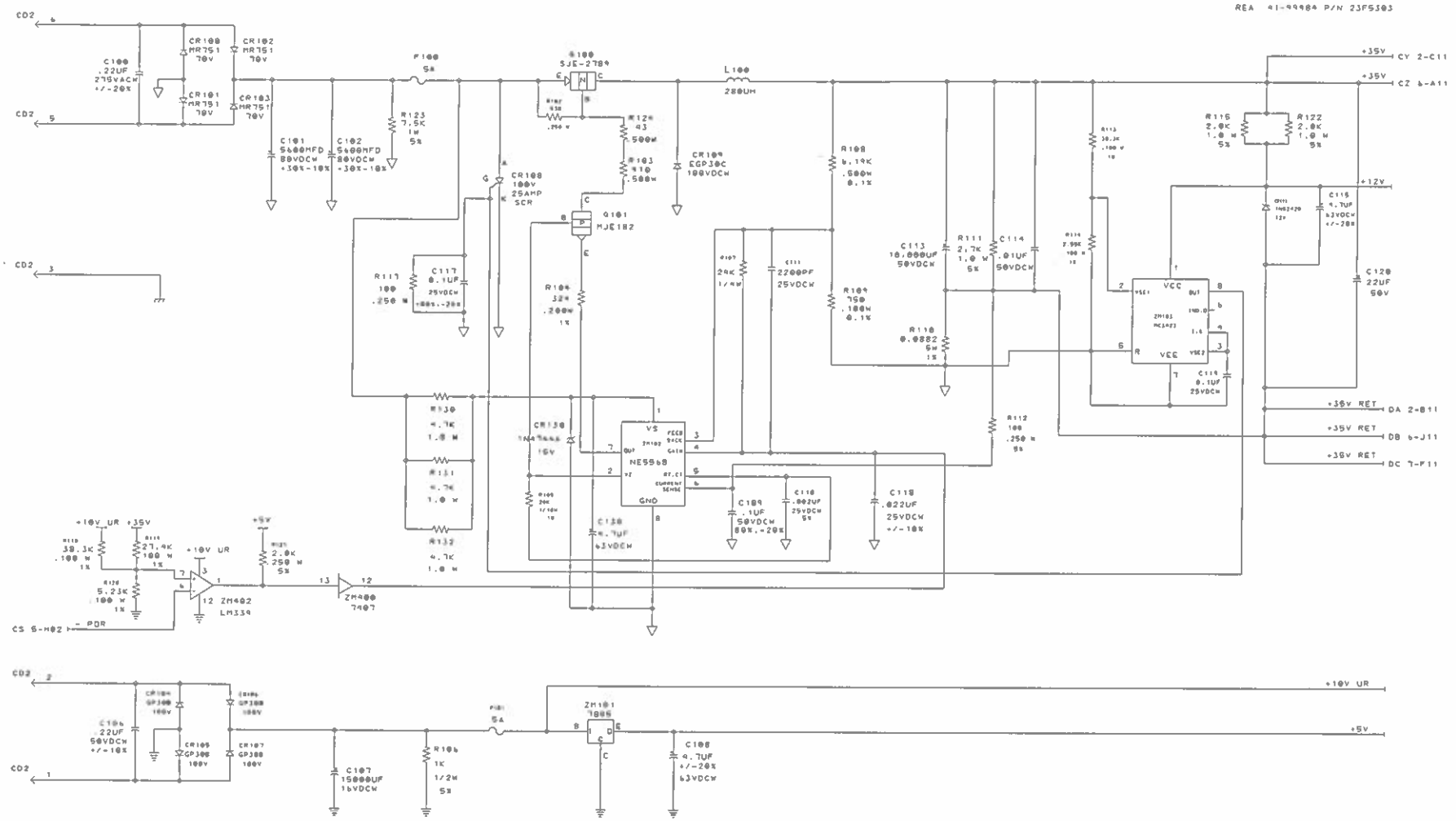

+5V
+10V UR
+5.5V REF
+35V
+12V
+8V
+6.2V REF
PAPER STEP
MEAD STROBE
BASE DRIVE
MEAD BASE DR
SENSOR DRIVE
- POR
ZM402 LM339
ZM401 LM339
ZM400 7407
Q400 MPS-A55
Q401 MPS-A55
Q402 MPS-A55
Q403 MPS-A55
Q404 MPS-A55
R412 3.0K .500 W
R411 590 1% 1/10W
R419 1.47K 1%
R420 2.21K 1%
R418 1.82K 1%
R401 100K .250 W 5%
R400 39 .250 W 5%
R409 13K
R417 620 1/2W 5%
R416 3.9K
R419 430 .500 W 5%
R426 1K 1/2W 5%
R427 39 .250 W 5%
R423 270 1W 5%
C401 .01UF
C403 .01UF
C404 .01UF
C405 5.1NF 1%
C408 .022UF
C400 .22UF 50VDC M +/-10%
CR404 1N763A 6.2V
CR403 1N5228B 3.9V
CO 7-E11
CR 2-G11
CS 8-D11
CT 6-C11
CV 7-H11
CV 6-D11
CM 2-K11

Print Drivers and Head Cable Connectors

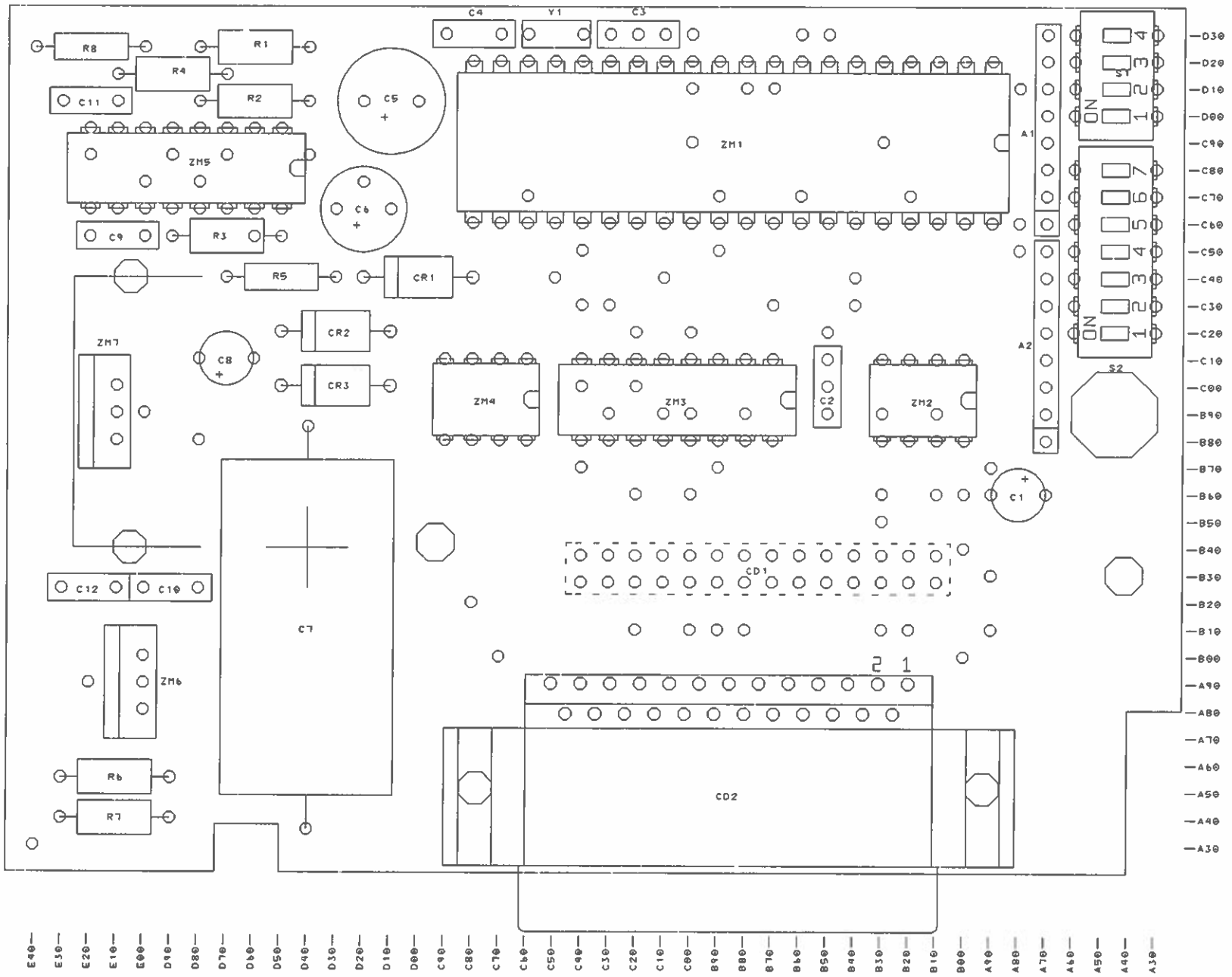


Motor Drivers



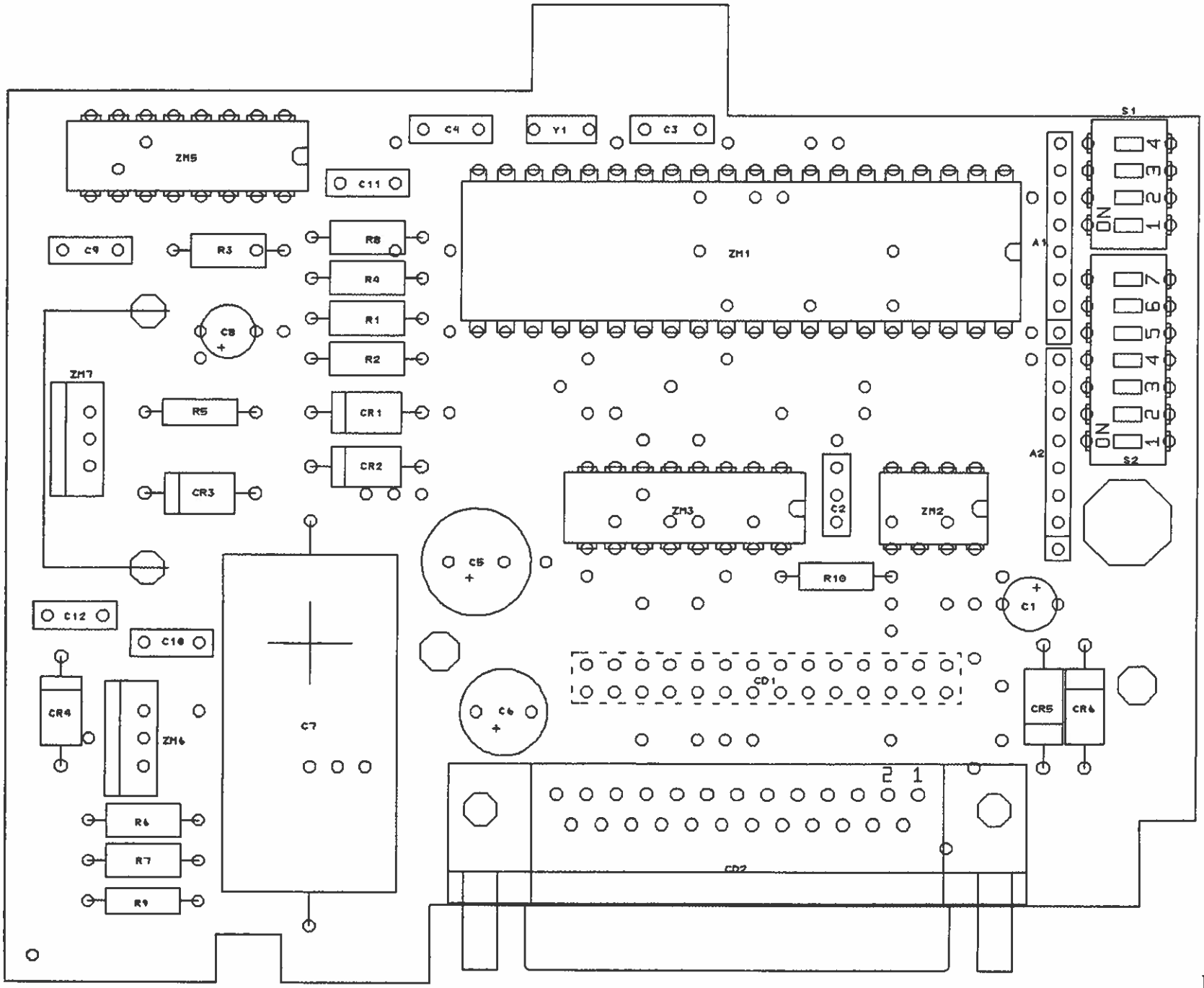

REA 41-99984 P/N 23F5303
CR100 MR751 70V
CR101 MR751 70V
CR102 MR751 70V
CR103 MR751 70V
C100 .22UF 275VAC +/-20%
C101 5600MFD 80VDCW +30%-10%
C102 5600MFD 80VDCW +30%-10%
R123 7.5K 1W 5%
F100 5A
Q100 SJE-2784
L100 280UH
CR109 EGP30C 100VDCW
CR108 100V 25AMP SCR
Q101 MJE182
R108 6.19K .500W 0.1%
R107 24K 1/4W
R109 750 .100W 0.1%
R110 0.0882 5W 1%
C113 10,000UF 50VDCW
R111 2.7K 1.0 W 5%
C114 .01UF 50VDCW
R116 2.0K 1.0 W 5%
R122 2.0K 1.0 W 5%
C115 4.7UF 63VDCW +/-20%
C120 22UF 50V
R117 100 .250 W
C117 0.1UF 25VDCW
R104 32K .200W 1%
C111 2200PF 25VDCW
R130 4.7K 1.0 W
R131 4.7K 1.0 W
R132 4.7K 1.0 W
CR130 1N4744A 15V
C130 4.7UF 63VDCW
C109 .1UF 50VDCW +80%-20%
C110 .002UF 25VDCW 5%
C118 .022UF 25VDCW +/-10%
R112 100 .250 W 5%
C119 0.1UF 25VDCW
+35V
+12V
+36V RET
+10V UR
+5V
CY 2-C11
CZ 6-A11
DA 2-B11
DB 6-J11
DC 7-F11
CD2
CS 6-H02
- PDR
ZM402 LM339
ZM400 7407
ZM101 1006
C106 .22UF 50VDCW +/-10%
C107 15000UF 16VDCW
R106 1K 1/2W 5%
C108 4.7UF +/-20% 63VDCW

Card Layout (Version 1)



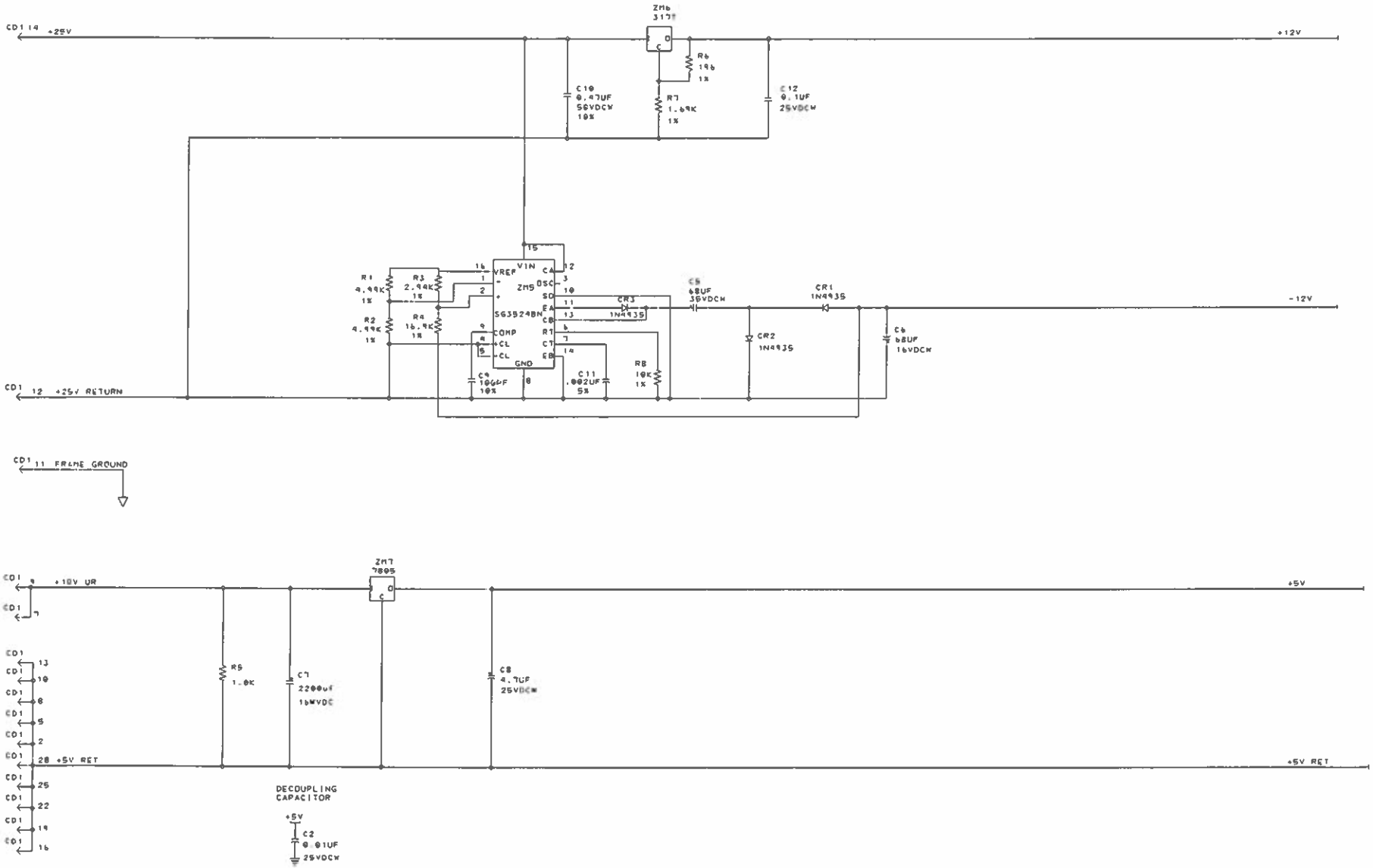
Card Layout (Version 1)

Card Layout (Version 2)

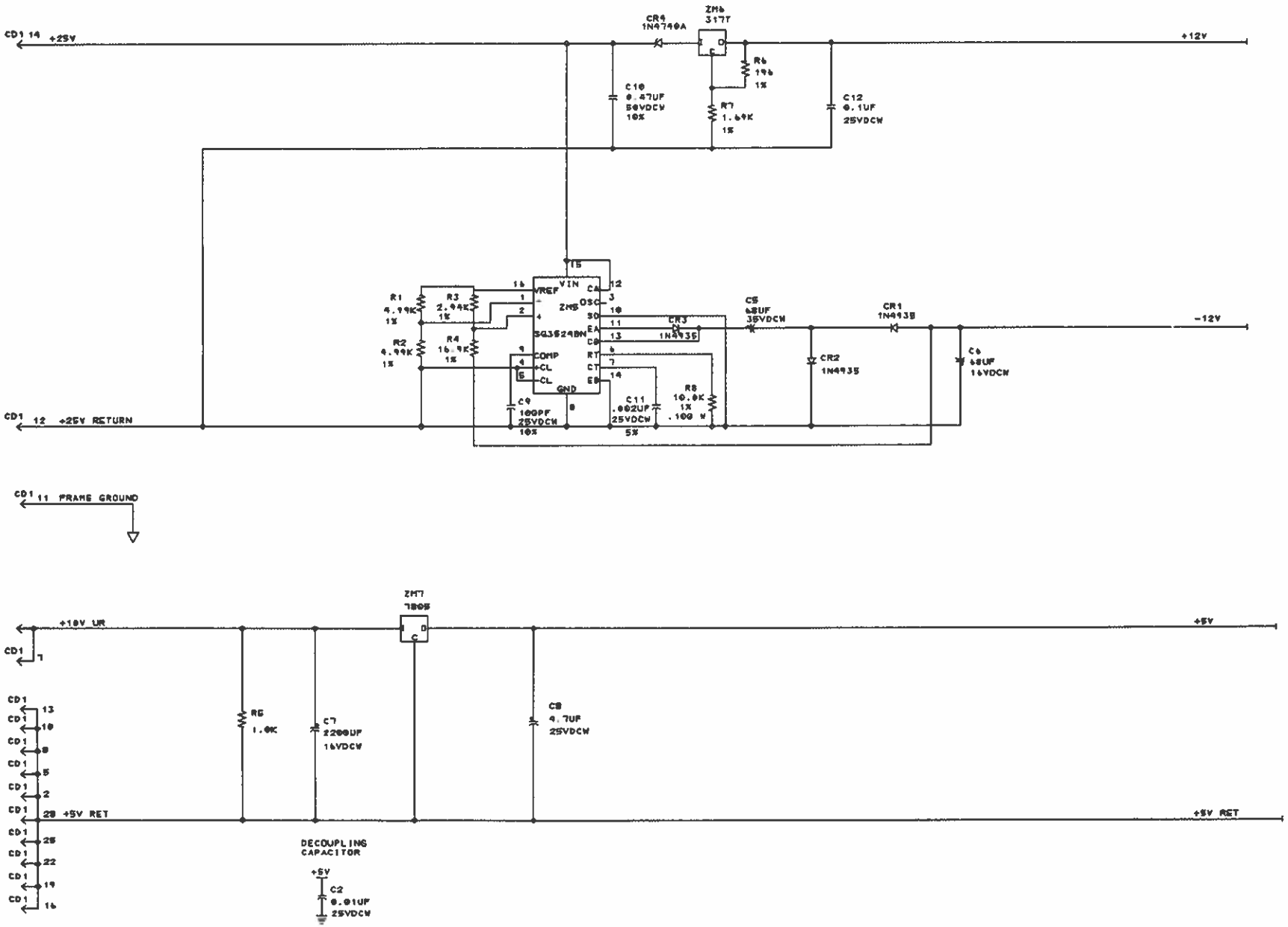


Card Layout (Version 2)

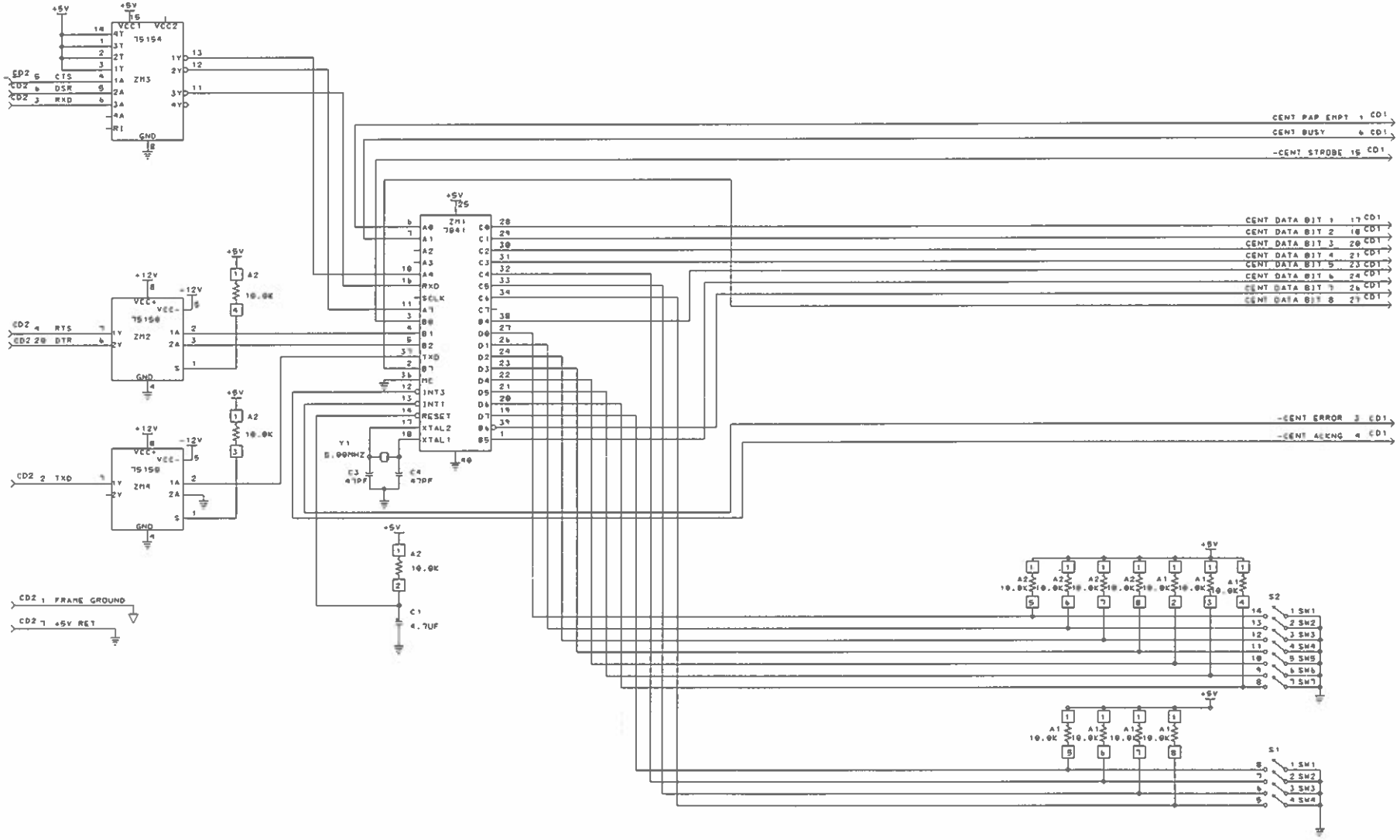
Power Supply (Version 1)



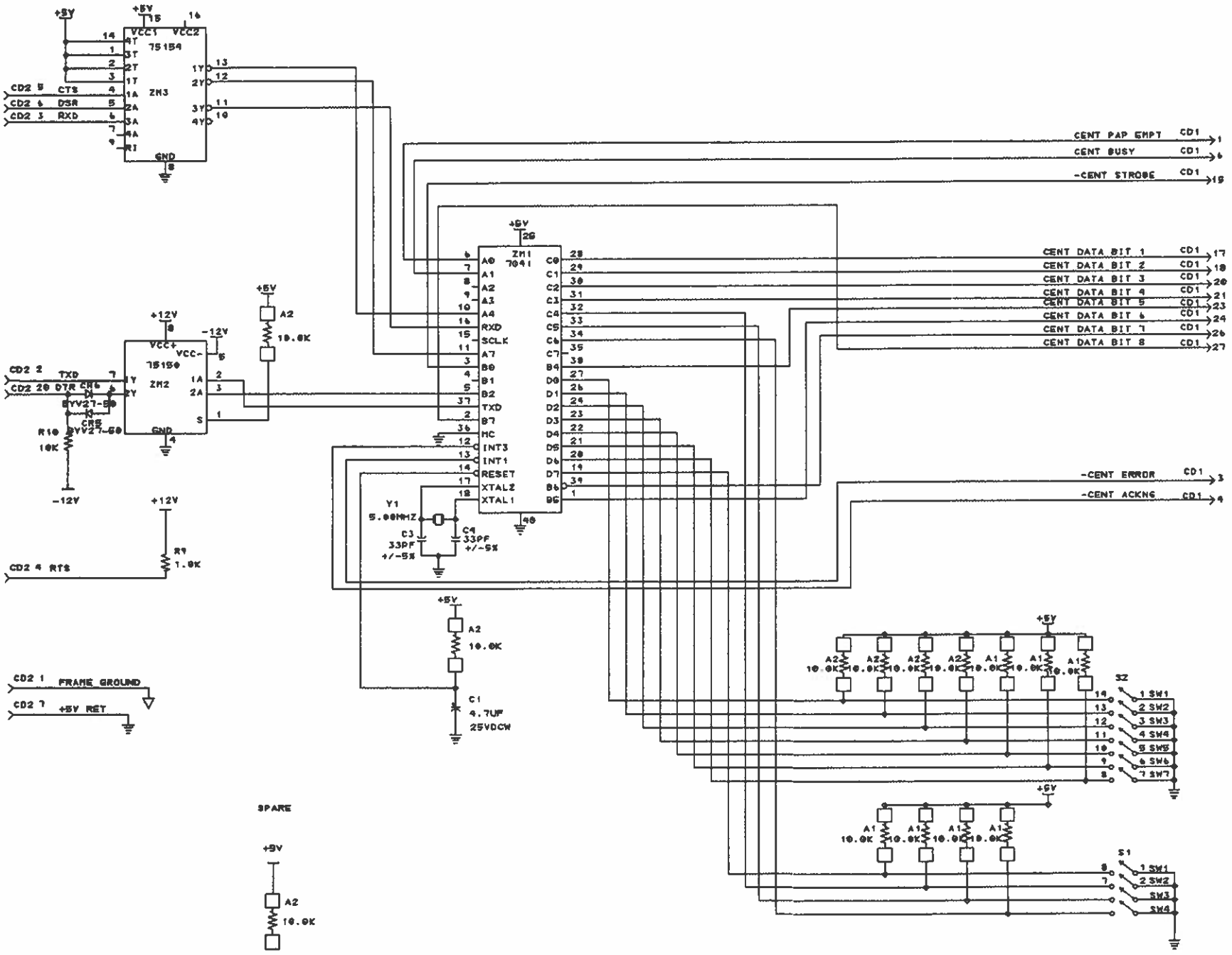
Power Supply (Version 2)



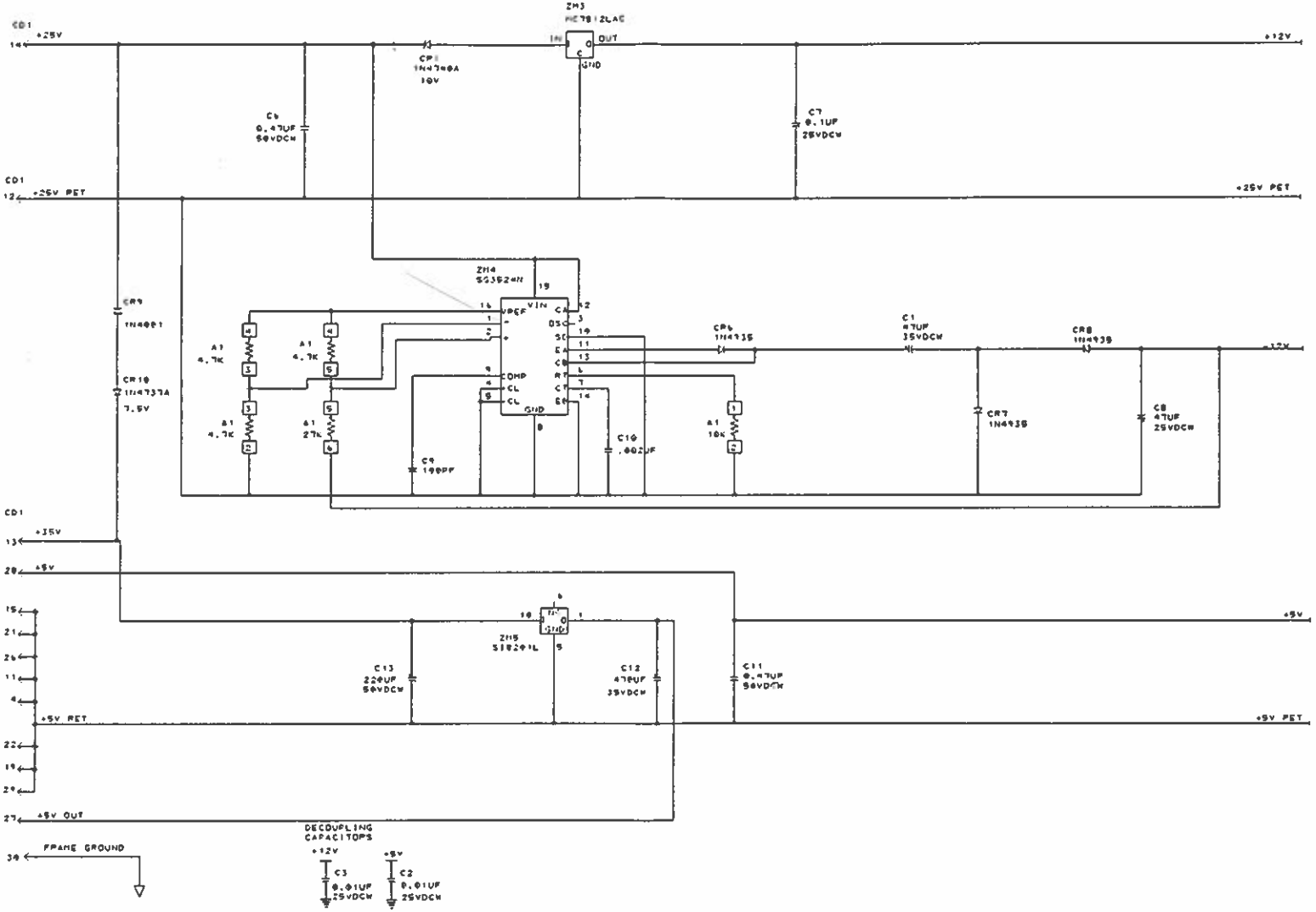
Processor (Version 1)



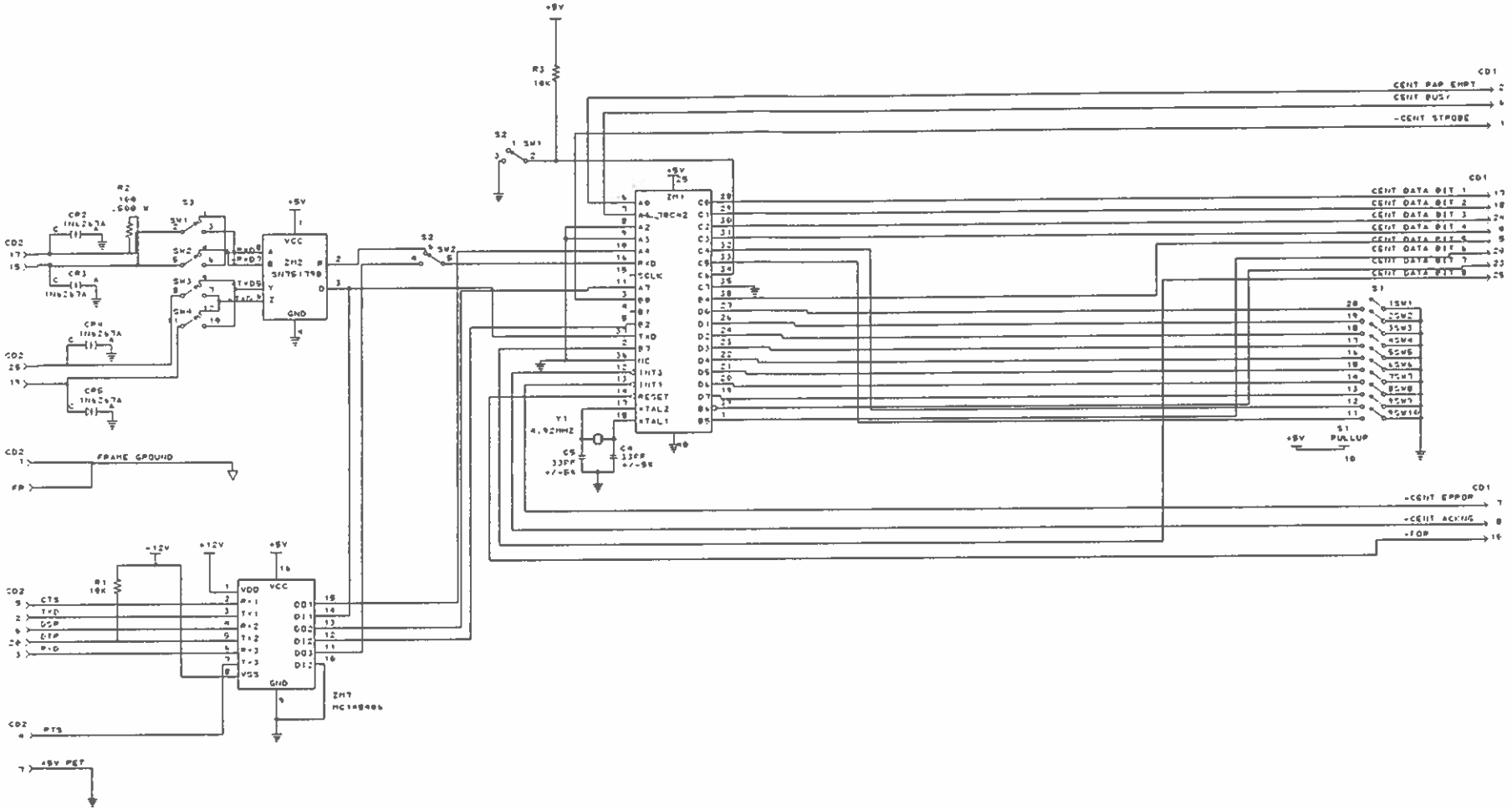
Processor (Version 2)



Power Supply



Power Supply


+5V
R3
10K
S2
SW1
CD1
CENT BSY
-CENT STROBE
CENT DATA BIT 1
CENT DATA BIT 2
CENT DATA BIT 3
CENT DATA BIT 4
CENT DATA BIT 5
CENT DATA BIT 6
CENT DATA BIT 7
CENT DATA BIT 8
R2
160
.500 W
S3
SW1
SW2
SW3
SW4
CP2
CP3
CP4
CP5
1N6267A
CD2
VCC
GND
SN75179B
FRAME GROUND
FP
ZM1
Z80-CTC
Y1
4.92MHZ
C5
C6
33PF
+/-5%
S1
PULLUP
-CENT ERROR
-CENT ACKNG
-FOR
+12V
R1
10K
VDD
VSS
CTS
TXD
DSR
DTR
RXD
RTS
+8V PET
ZM7
MC1488P